

AEI/OCR SYSTEM INTEGRATION

Submitted to
Transportation Development Centre
Transport Canada

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Un sommaire français se trouve avant la table des matières.



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16. Abstract <p>This R&D project was undertaken to help the Port of Montreal improve the efficiency and productivity of container movement through the Port. The prototype AEI/OCR system was tested at the Port to verify the design parameters of the system. The required performance was specified in terms of accuracy and processing time criteria. The tests demonstrated that the system was able to achieve the required network data transfer rate at all times, but could meet the target accuracy only under optimal conditions. The tests demonstrated the impact of malfunctioning ancillary equipment on the accuracy of the OCR component of the system. The researchers identified ways of improving the performance and reliability of the AEI/OCR system, so that it could achieve the required performance in an operational environment.</p>					
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EXECUTIVE SUMMARY

This R&D project was undertaken by Transport Canada's Transportation Development Centre (TDC) to help the Port of Montreal to improve the efficiency and productivity of container movement through the Port. It complements a larger program seeking to achieve fully integrated electronic data interchange (EDI) between Port stakeholders.

The Automated Equipment Identification/Optical Character Recognition (AEI/OCR) system installed in the Port of Montreal was designed and developed jointly by the Institut national d'optique (INO) and its sub-contractor CCTC. This system integrates AEI with a state-of-the-art OCR system developed by INO for automatic identification of railcars and containers. The integration of these two technologies into an information technology environment meets the Port of Montreal's requirement for timely and accurate information, and provides a basis for improving the level of service to customers.

The performance of the AEI/OCR system was specified in terms of accuracy and processing time criteria. The minimum required accuracy was established at 80 percent. The time to process the results, including the generation of an EDI file, was within 20 minutes of the passage of a "reference train", which was defined as a fully loaded, double-stack 6000' train, equivalent to 120 platforms each bearing the maximum of three containers. The system was also designed to ensure proper operation for train speeds varying between 10 and 20 mph, although the actual system can also handle slower speeds, train stops, and direction reversals.

The prototype of the AEI/OCR system was first tested in November 2000. Following this test period, certain problems related to integration of the different modules were identified. DTI Télécom Inc. (DTI) was engaged by TDC to carry out the following tasks:

- improve the processing time of the AEI/OCR system by correcting the deficiencies in the network transfer rate and by demonstrating the improved performance in acceptance tests;
- assume the role of systems integrator during this period and coordinate all activities leading to acceptance of the system;
- supervise, coordinate, verify, and obtain approval of the test plans, procedures, and results analyses and implement solutions to ensure the project's success.

DTI carried out a series of laboratory performance tests on the equipment (computers, switches, and network cables) installed on the site and proposed a series of changes based on the results obtained. These were approved by TDC. The modified network configuration was installed on

the site and the acceptance testing was conducted from noon, August 22, 2001, to 11:15 a.m., September 5, 2001, under good weather conditions.

During this period, 113 train moves were observed. After eliminating the empty moves and simulations, the analysis showed that 89 moves out of the 92 selected (i.e., over 96%) met the target objective of 20 minutes of processing time. An end-of-train detection problem with three moves resulted in their being discarded from the selection and prevented achievement of a 100% success rate.

The changes made to the operating system of the OCR program (both hardware and software) allowed the network data transfer rate to be increased to attain the processing time specified in the design. Certain software recommendations proposed by DTI would allow further improvement of the network processing time.

The accuracy achieved by the OCR sub-system in identifying the container numbers is undoubtedly the most important criterion for the effectiveness of the AEI/OCR system. However, during the course of the trial period numerous problems arose with the ancillary systems and components, which prevented the system from functioning properly. This resulted in system downtime, power outages, and invalid images that were difficult to process by the OCR program. Thus none of the train moves could be considered trouble free, and the OCR accuracy reflected these problems. To achieve a true measure of the OCR accuracy requires the system to be set up and functioning properly. Since these conditions were not present during the tests, it would be a mistake to make a critical judgment on the true OCR accuracy obtained from the data and statistics contained in this report.

In spite of these drawbacks, the results when the system was functioning relatively well were very encouraging. On August 31, 85% OCR accuracy was obtained, despite problems with the image capture software. Several analysis tables were produced to confirm or rule out some assumptions regarding the level of accuracy achieved with the AEI/OCR system.

After the two weeks of testing, it was concluded that, with optimal equipment set-up conditions and efficient operating conditions for the AEI system, the target objective of 80% OCR accuracy could be met. Consequently, it is essential to continue to work on implementing solutions to solve the problems found during the acceptance testing.

After analyzing the test results, DTI examined the computers and operating systems comprising the AEI/OCR system. A series of recommendations were tabled encompassing three different

aspects of the system: physical (or equipment) infrastructure, computer equipment, and software.

It was evident that the system infrastructure had degraded significantly. To improve the overall performance and make the AEI/OCR system into an operational tool, a complete revision of the physical infrastructure is required. Although the system's network components have been examined and updated, DTI feels that other hardware components of the system should be reviewed before proceeding with implementation of an operational system. Finally, some corrections and/or revisions will also have to be made to the AEI program to make it more stable and to improve its performance in this unique application.

DTI was able to improve the overall network processing time of the AEI/OCR system by correcting deficiencies observed in the data transfer rates on the local area network. However, during the acceptance tests and the subsequent analysis of the test results, it was evident that the system installation had degraded and the system performance was far from optimal.

The current single-track AEI/OCR system is still considered a prototype. With the infrastructure, equipment, software and hardware improvements identified, it could become operational. Correcting the identified deficiencies would require additional resources. Future migration of the system to a double-track location at another site in the Port of Montreal would require rearrangement of the tracks.

During the tests integration of the various sub-systems to achieve acceptable overall performance posed the greatest challenge. The acceptance test phase led to the identification of solutions for improving system performance and enhancing the reliability of the AEI/OCR network system. These solutions could allow the system to achieve the required performance in an operational environment.



SOMMAIRE

Ce projet de R&D a été entrepris par le Centre de développement des transports (CDT) de Transports Canada pour appuyer l'objectif du Port de Montréal de rendre plus efficaces et plus rentables les mouvements de conteneurs dans le port. Il s'inscrit dans le cadre d'un programme de plus grande envergure qui vise l'intégration complète de l'échange de données informatisées (EDI) entre les intervenants en liaison avec le Port.

Le système d'identification automatique d'équipements/de reconnaissance optique des caractères (IAE/ROC) installé dans le port de Montréal a été conçu et mis au point par l'Institut national d'optique (INO) de concert avec son sous-contractant, le CCTC. Ce système intègre l'IAE à un moteur ROC de pointe mis au point par l'INO pour l'identification automatique des wagons et des conteneurs. L'intégration de ces deux technologies dans un environnement de technologie de l'information répond au besoin du Port de Montréal de disposer rapidement d'une information précise, et constitue le premier pas vers une amélioration du niveau de service aux clients.

Les critères retenus pour évaluer la performance du système IAE/ROC avaient trait à la précision et au temps de traitement des données. La précision minimale exigée était de 80 p. 100. Pour ce qui est du temps de traitement des données, y compris de production de fichiers EDI, l'objectif visé était de 20 minutes après le passage d'un «train de référence», défini comme un train à deux niveaux de 6 000 pi chargé à capacité, soit l'équivalent de 120 plate-formes portant chacune un maximum de trois conteneurs. Le système a été conçu pour fonctionner correctement au passage de trains roulant à des vitesses de 10 à 20 mi/h, mais il peut aussi traiter des trains qui roulent plus lentement, des trains à l'arrêt et des trains qui roulent en sens contraire.

Le prototype du système IAE/ROC a été mis à l'essai une première fois en novembre 2000. Ces premiers essais ont révélé certains problèmes reliés à l'intégration des différents modules. Le CDT a alors confié à DTI Télécom Inc. (DTI) les tâches suivantes :

- améliorer le temps de traitement du système, c'est-à-dire corriger les lacunes qui limitent les vitesses de transfert au sein du réseau et faire la démonstration, lors d'essais de réception, que le système a atteint le niveau de performance spécifié;
- pendant ces travaux, assumer les fonctions d'intégrateur de systèmes et coordonner toutes les activités devant mener à l'acceptation du système;

- assurer la supervision, la coordination, la vérification et l'approbation des plans et méthodes d'essai, faire l'analyse des résultats et mettre en œuvre les solutions élaborées pour garantir la réussite du projet.

DTI a soumis le matériel (ordinateurs, commutateurs et câbles de réseau) installé sur le site à une série d'essais de performance en laboratoire et, après examen des résultats, a proposé des modifications qui ont reçu l'approbation du CDT. La configuration de réseau ainsi modifiée a été installée sur le site et soumise à des essais de réception qui se sont déroulés de 12 h, le 22 août 2001 à 11 h 15, le 5 septembre 2001, dans des conditions météorologiques favorables.

Au cours de cette période, 113 mouvements de trains ont été observés. Après qu'eurent été soustraits les trains vides et les cas de simulation, il restait 92 mouvements pour analyse. De ce nombre, 89 (plus de 96 p. 100) concernaient des trains qui avaient été traités en moins de 20 minutes, soit en deçà du temps de traitement cible. N'eurent été des problèmes de capteurs de fin de train qui ont obligé les chercheurs à écarter trois mouvements, le taux de réussite aurait été de 100 p. 100.

Les modifications apportées au système d'exploitation du programme ROC (matériel et logiciel) ont permis d'augmenter la vitesse de transfert des données en réseau jusqu'à la vitesse établie comme critère. Certaines recommandations formulées par DTI concernant le logiciel, si elles étaient appliquées, permettraient d'accélérer encore le traitement.

La précision avec laquelle le moteur ROC est capable de reconnaître les numéros d'identification des conteneurs est sans contredit le plus important critère d'efficacité du système IAE/ROC. Mais au cours de la période d'essai, les systèmes et composants auxiliaires ont présenté nombre de défaillances, qui ont empêché le système de fonctionner correctement. Ces défaillances ont entraîné une indisponibilité du système, des pannes d'alimentation et des images invalides, difficiles à traiter par le programme ROC. C'est ainsi qu'aucun des mouvements de trains n'a pu être considéré comme «sans incident», et la précision de la reconnaissance optique des caractères a été à l'avenant. Or, pour mesurer véritablement la précision d'un système ROC, celui-ci doit être correctement installé et exploité. Comme ces conditions n'étaient pas remplies pendant les essais, ce serait une erreur de porter un jugement critique sur la véritable précision du système ROC à partir des données et des statistiques contenues dans le présent rapport.

Quelles que soient les lacunes observées, il reste que les résultats obtenus alors que le système fonctionnait relativement bien sont très encourageants. Ainsi, le 31 août, une précision de

reconnaissance de 85 p. 100 a été obtenue, en dépit des défaillances du logiciel de saisie d'images. Plusieurs tableaux d'analyse ont été produits pour confirmer ou éliminer certaines hypothèses touchant le degré de précision obtenu à l'aide du système IAE/ROC.

Au terme de deux semaines d'essais, il a été conclu que, dans des conditions d'installation optimales du matériel conjuguées à des conditions d'exploitation efficaces du système IAE, le degré de précision cible de 80 p. 100 pourrait être atteint. Il est donc essentiel de poursuivre la recherche et la mise en oeuvre de solutions aux problèmes constatés au cours des essais de réception.

Après avoir analysé les résultats des essais, DTI a examiné les ordinateurs et les systèmes d'exploitation, dont le système IAE/ROC. Les chercheurs ont formulé une série de recommandations touchant trois aspects différents du système : l'infrastructure matérielle (l'équipement), le matériel informatique et le logiciel.

Pour ce qui est de l'infrastructure matérielle du système, celle-ci s'était grandement détériorée. D'où l'importance, pour améliorer la performance globale du système IAE/ROC et en faire un outil opérationnel, de procéder à une révision complète de cette infrastructure. Cela a été fait pour les composants du réseau, mais selon DTI, il faudra revoir les autres éléments de l'infrastructure matérielle avant de pouvoir songer à un système opérationnel. Finalement, quelques corrections et/ou révisions devront aussi être apportées au programme IAE afin de le rendre plus stable et plus performant dans cette application unique.

DTI a été en mesure d'améliorer le temps global de traitement réseau du système IAE/ROC en corrigeant les lacunes observées dans les vitesses de transfert de données au sein du réseau local. Mais les essais de réception et l'analyse ultérieure des résultats ont mis en évidence la détérioration de l'installation du système et une performance loin d'être optimale.

Le système IAE/ROC actuel, installé le long d'une voie unique, est toujours considéré comme un prototype. Pour peu qu'il bénéficie des améliorations recommandées aux chapitres de l'infrastructure, de l'équipement, du logiciel et du matériel, il pourrait devenir opérationnel. Mais des ressources supplémentaires seront nécessaires pour corriger les lacunes observées. Une éventuelle migration du système vers une voie double, à un autre endroit dans le port de Montréal, nécessiterait un réarrangement des voies.

Au cours des divers essais, la manière d'intégrer les différents sous-systèmes pour obtenir une performance globale acceptable a posé le défi le plus grand. Les essais de réception ont mené à

l'identification de solutions pour améliorer la performance du système et pour rehausser la fiabilité du réseau associé au système IAE/ROC. La mise en oeuvre de ces solutions pourrait très bien déboucher sur un système capable d'atteindre le degré de performance visé en service réel.

CONTENTS

	Page
1 INTRODUCTION	1
2 SYSTEM ACCEPTANCE CRITERIA.....	3
3 OPERATING RULE – ACCEPTANCE TESTS	4
3.1 Acceptance Test Period.....	4
3.2 System Configuration	5
3.2.1 Revised architecture of the AEI/OCR system	5
3.2.2 Reviewed LAN topology	6
3.2.3 Description of the changes introduced to the system.....	6
3.3 Control Process During the Test Period at the Port of Montreal Site.....	7
4 OBSERVATIONS.....	8
4.1 Weather Conditions	8
4.2 Trains Observed	10
4.3 Chronology of Events	14
5 ANALYSIS	16
5.1 Processing Time	16
5.2 Accuracy	20
5.3 Other Observations.....	25
6 RECOMMENDATIONS	37
6.1 Equipment and Infrastructure	37
6.1.1 Cameras	37
6.1.2 Lighting systems	45
6.1.3 Electrical installations	51
6.1.4 Motion/speed detection system	53
6.1.5 Bungalow	60
6.1.6 Computer equipment	61
6.1.7 Communication equipment.....	64
6.2 Software.....	65
6.2.1 Synchronization between the AEI station and the LICO stations.....	65
6.2.2 Processing of “null” trains	65
6.2.3 Upgrading of the AEI and LICO operating system	65
6.2.4 Modification to the LICO software to ensure end-of-train detection	66
6.2.5 OCR source code documentation and update	66
6.2.6 EDI file transfer via a direct link to the Port of Montreal	66
7 CONCLUSION	67

APPENDIX A Keyboard/Mouse/Monitor Sharing Switch

APPENDIX B Detailed Tables of OCR Results (moves with containers)



LIST OF FIGURES

Figure 1	Picture of the site near elevator No. 5	4
Figure 2	Plan of the revised architecture	5
Figure 3	Plan of the new topology	6
Figure 4	Location of the eastbound move sensor	11
Figure 5	OCR reference lights – side view of camera 1	26
Figure 6	OCR reference lights – side view of camera 2	27
Figure 7	Camera 1	38
Figure 8	Camera 2	39
Figure 9	Fastening mechanism	40
Figure 10	Camera housing – bottom part	41
Figure 11	Pole – view #1	42
Figure 12	Pole – view #2	43
Figure 13	Pole – view #3	44
Figure 14	Light systems – view from camera 1 side	46
Figure 15	Light systems – view from camera 2 side	47
Figure 16	Spotlights (in position)	48
Figure 17	Spotlights (displaced)	49
Figure 18	Westbound wheel sensor	54
Figure 19	Close-up of the wheel sensor with protective bar	55
Figure 20	Speed sensor with damaged housing	56
Figure 21	Eastbound wheel sensor	57
Figure 22	Eastbound wheel sensor located near Mosaïcultures coordinating centre	58
Figure 23	Location where the eastbound wheel sensor should have been installed	59
Figure 24	Bungalow – front view	60
Figure 25	Switch boxes – distribution plan	62
Figure 26	Automatic switch boxes – proposed distribution	63

LIST OF TABLES

Table 1 Transfer rate performance 3

Table 2 OCR accuracy performance 3

Table 3 Weather conditions (on a daily basis)..... 8

Table 4 Weather conditions (by time slot) 9

Table 5 Classification of the observed moves 10

Table 6 Move information 12

Table 7 Events during the acceptance tests period..... 14

Table 8 Overexposure problem – list of affected moves 15

Table 9 Breakdown by average length 16

Table 10 Processing times 17

Table 11 Processing times - exceptions..... 19

Table 12 Accuracy rate – optimal conditions 22

Table 13 Moves with containers 23

Table 14 Accuracy rate on reserved moves 24

Table 15 Daytime accuracy rate 28

Table 16 Nighttime accuracy rate 29

Table 17 Accuracy rate after adjustment of camera 1 30

Table 18 Accuracy rate – speed moves between 10 and 20 mph..... 31

Table 19 Accuracy rate – 80% and higher 32

Table 20 Accuracy rate for all container companies..... 34

Table 21 Accuracy rate for companies with most containers 36

Table 22 Statistics per camera side 37

Table 23 Breakers (current situation) 52

Table 24 Breakers (proposed distribution) 52

Table 25 SSR distribution – example camera 1 53

Table 26 Computer configuration – operating system (OS) 61

Table 27 Current configuration of the switch boxes 62

Table 28 Proposed switch configuration 63





1 INTRODUCTION

This R&D project was undertaken by Transport Canada's Transportation Development Centre (TDC) to help the Port of Montreal improve the efficiency and productivity of container movement through the Port. It complements a larger program seeking to achieve fully integrated electronic data interchange (EDI) between Port stakeholders.

The Automated Equipment Identification/Optical Character Recognition (AEI/OCR) system installed in the Port of Montreal was designed and developed jointly by the Institut National d'optique (INO) and their sub-contractor CCTC. This system integrates AEI with a state-of-the-art OCR system developed by INO for automatic identification of railcars and containers.

The development of an integrated AEI/OCR system would enable existing AEI readers to be integrated with the Port of Montreal's Information Technologies (IT) environment. The objective was to fully automate the process of building a container train consist in an EDI format and providing information that can integrate it into the IT and Port Community systems. This would provide value-added service and meet the stakeholder requirement for timely and accurate information.

The AEI/OCR prototype system installed at the Port of Montreal is intended to produce train consists (EDI files) giving the composition of the train, including the position of each container on every railcar. Train images are gathered as the train passes through the system and processed for container ID recognition. The recognition task is performed by an OCR engine parsing every image of the train to segment and interpret the ISO6346 codes painted on both sides of the containers.

The performance of the OCR engine was judged by accuracy and processing time criteria. An accuracy of greater than 80% was achieved during the acceptance test period. The required time to process the results, including the generation of an EDI file, was within 20 minutes of the passage of a "reference train". The reference train was defined as a fully loaded double-stack 6000' train, equivalent to 120 platforms each bearing the maximum of three containers.

The prototype AEI/OCR system as delivered by INO was first tested in November 2000. It successfully demonstrated the specified accuracy for container identification during the acceptance test of the system installed at the Port. However, the specified 20-minute processing time was not met. Following this test period, certain problems related to integration of the different network modules were identified. Among them, the nature and performance of the existing network

and the diversity of operating systems used by the sub-systems were presented in the INO test report as being major sources of reliability and network performance problems.

In May 2001, Transport Canada's Transportation Development Centre (TDC) engaged the services of DTI as a system integrator to work with CCTC on-site during the installation, set-up, and test activities, to achieve a successful resolution of the network transfer problems.

DTI was responsible for all activities leading to the acceptance of the system. The work encompassed the resolution of the system problems, the identification of the elements leading to a solution, and the implementation of corrective measures, including setting up the system prior to testing. DTI was also responsible for the supervision, coordination, verification, and approval of the test plans and procedures, analyses of results, and implementation of solutions.

2 SYSTEM ACCEPTANCE CRITERIA

The acceptance of the AEI/OCR system by the Port of Montreal is based on a reference train with the following features:

- 6000' train loaded at full capacity (i.e., 120 platforms carrying three containers each)
- Train travelling at a rated speed of 15 miles per hour with a variation of ± 5 miles per hour

The network data transfer rate and container identification accuracy specified for the system was conditional on meeting well-defined criteria. The analysis of the test results conforms to specific validity criteria outlined in Table 1.

Table 1 Transfer rate performance

Objective	Processing time within 20 minutes (from detection of the train to creation of the EDI file containing the data)
Validity criteria	<ul style="list-style-type: none"> • Reference train must pass by the site within 6 minutes 49 seconds at a minimal rated speed of 10 mph • Overall processing time must be achieved within 20 minutes • Train speed must be between 10 and 20 mph

Table 2 OCR accuracy performance

Objective	OCR accuracy over 80%
Validity criteria	<ul style="list-style-type: none"> • Container ID code should be compatible with ISO 6346 identification standard • Complete ID code must be visible (nothing missing, hidden, erased, or altered) • The four OCR reference lights must be aligned to detect the presence of containers • The calibration lights must be functioning for adjustment of camera gain and ambient luminosity; otherwise, over or under exposure of the images may occur

3 OPERATING RULE – ACCEPTANCE TESTS

3.1 Acceptance Test Period

The acceptance tests were held from noon on August 22, 2001, to 11:15 AM on September 5, 2001, at the site located near elevator No. 5 in the Port of Montreal.



Figure 1 Picture of the site near elevator No. 5

3.2 System Configuration

3.2.1 Revised architecture of the AEI/OCR system

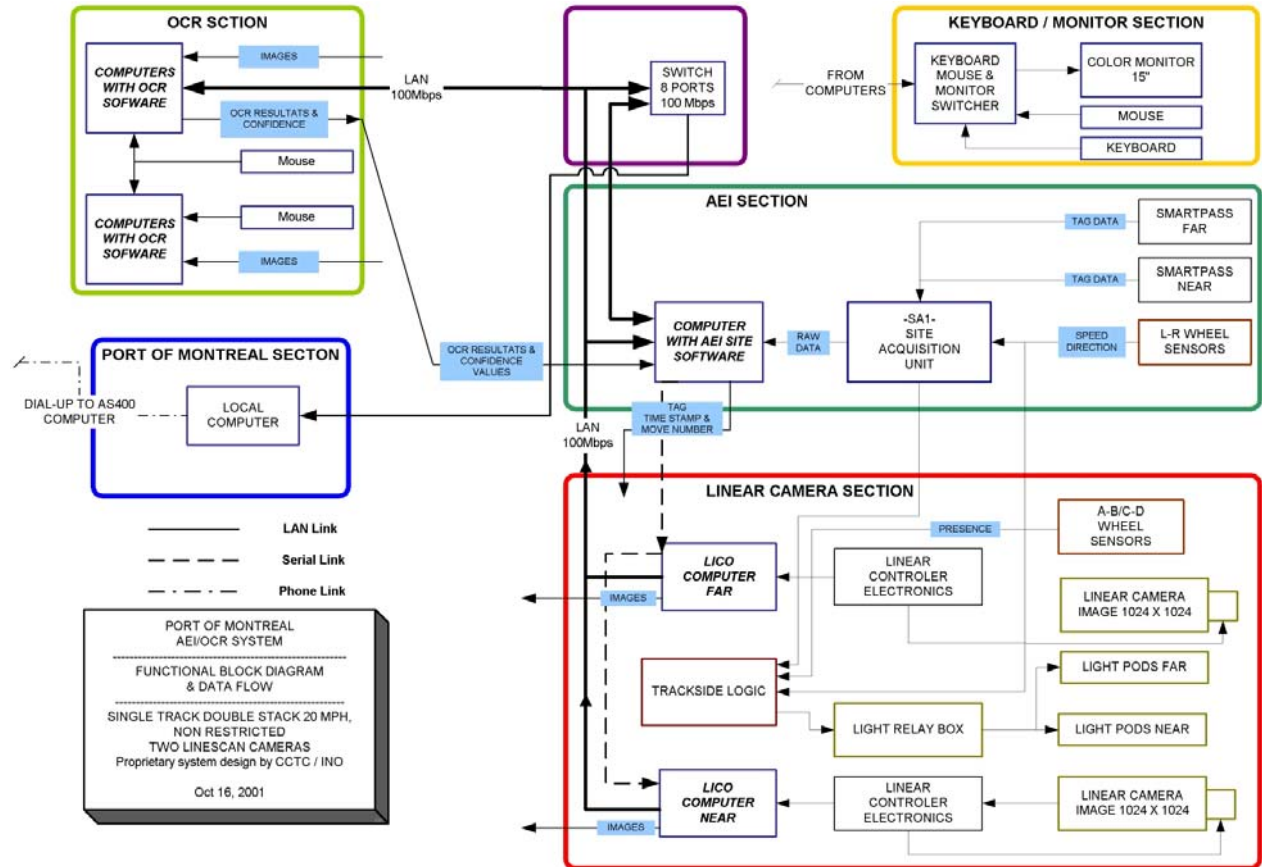


Figure 2 Plan of the revised architecture

3.2.2 Reviewed LAN topology

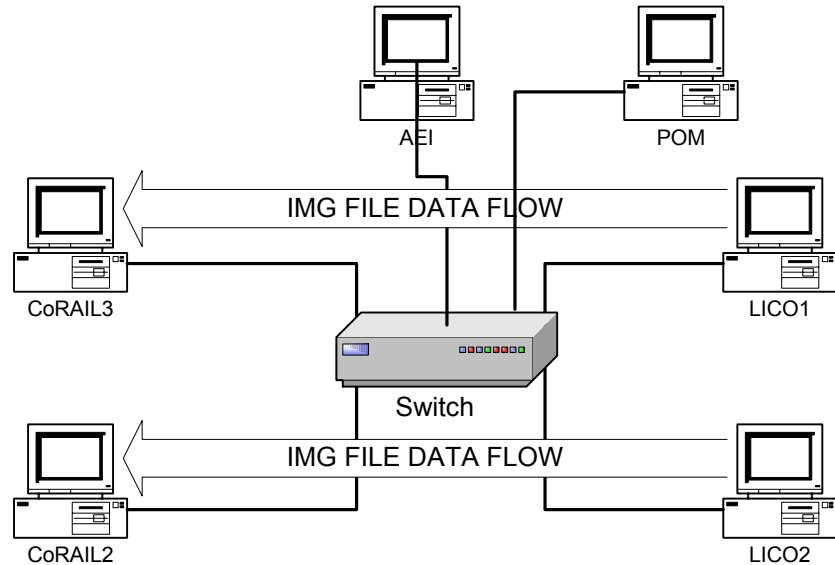


Figure 3 Plan of the new topology

3.2.3 Description of the changes introduced to the system

The following is a list of approved changes made to the system configuration (dated December 2000):

1. Elimination of Novell server by CCTC in accordance with the request formulated by DTI. File transfer is executed through the use of map drives between computers;
2. Replacement by DTI of the existing cables with new 100 Mbps shielded cables;
3. Upgrade of the operating system of the CoRAILx stations (from MS-Windows NT4 to MS-Windows 2000 Pro) by DTI;
4. Replacement of the existing network cards with 3COM network cards forced at 100 Mbps on the LICO stations (by CCTC) and on the CoRAIL stations (by DTI);
5. Hard drive defragmentation on the CoRAILx stations by DTI;
6. Upgrade of the existing software on the CoRAILx stations (except for the application developed by INO) by DTI.

3.3 Control Process During the Test Period at the Port of Montreal Site

The acceptance tests were supervised by DTI with the ad hoc collaboration of CCTC.

Since the Port of Montreal had deactivated all telephone lines connected to the site, DTI visited the site on the morning of each business day (except for Tuesday, August 28) to verify the condition of the system/hardware and collect the previous day's data.

When necessary, DTI requested CCTC's help to solve certain problems regarding the system's hardware and software configuration (e.g., cameras, lights, AEI and LICO software).

4 OBSERVATIONS

4.1 Weather Conditions

Tables 3 and 4 summarize the weather conditions observed at Montreal's Dorval Airport during this period. Table 3 presents the general weather conditions on a daily basis and Table 4 presents them by time slot.

Table 3 Weather conditions (on a daily basis)

DATE	Average temperature (C)	Total precipitation (mm)	Hours of sunshine
2001-08-22	24.1	0	12.1
2001-08-23	21.6	0	3.2
2001-08-24	17.8	0	13.2
2001-08-25	18	0	12.6
2001-08-26	21.8	10	3.6
2001-08-27	21.1	0	11
2001-08-28	18.9	0 Trace	2.6
2001-08-29	14.9	0	7.4
2001-08-30	16.9	0	12.4
2001-08-31	22.7	12.5	3.2
2001-09-01	13.9	0	9.1
2001-09-02	12.8	0	11.8
2001-09-03	20.5	0	10.4
2001-09-04	17.6	7	5.7
2001-09-05	15.4	0	12.2

Table 4 Weather conditions (by time slot)

DATE	HOUR	WIND AVERAGE SPEED (KM/H)	WIND DIRECTION	TEMP. (C)	HUMIDITY (%)	RAIN (MM)
2001-08-22	06H-12H	15.14	S-W	23.4	73	
	13H-19H	22.57	S-W	27.7	46	
	20H-05H	13.70	S-W	21.3	64	
2001-08-23	06H-12H	17.43	S-W	22.3	67	
	13H-19H	17.57	S-W	23.4	76	
	20H-05H	19.90	N	18.0	68	
2001-08-24	06H-12H	16.86	N	16.8	54	
	13H-19H	8.57	N-E	21.4	42	
	20H-05H	5.80	N-E	14.9	65	
2001-08-25	06H-12H	6.29	S-E	18.0	58	
	13H-19H	8.43	S-E	23.8	37	
	20H-05H	7.00	S-E	18.6	63	
2001-08-26	06H-12H	18.86	S-E	22.4	68	
	13H-19H	20.29	S	25.5	62	2
	20H-05H	13.40	N-W	19.7	93	8
2001-08-27	06H-12H	8.57	N-W	20.2	77	
	13H-19H	20.57	S-W	24.1	65	
	20H-05H	12.90	S-W	19.9	79	
2001-08-28	06H-12H	10.43	S-W	20.6	76	
	13H-19H	15.14	W	20.9	74	
	20H-05H	10.50	N-W	14.8	90	
2001-08-29	06H-12H	9.86	N-W	15.2	67	
	13H-19H	14.43	N-W	17.7	53	
	20H-05H	4.00	N	11.1	80	
2001-08-30	06H-12H	10.00	S	17.9	67	1
	13H-19H	15.57	S	23.8	52	
	20H-05H	13.70	S	19.9	76	
2001-08-31	06H-12H	16.43	S-W	23.9	74	
	13H-19H	19.86	S-W	23.5	79	3.5
	20H-05H	16.30	N-W	17.2	90	8
2001-09-01	06H-12H	18.00	N-W	14.9	65	
	13H-19H	15.86	N-W	17.1	51	
	20H-05H	7.40	N	9.7	77	
2001-09-02	06H-12H	4.57	E	12.8	49	
	13H-19H	13.00	S-W	17.4	41	
	20H-05H	15.40	S	15.0	66	
2001-09-03	06H-12H	18.86	S	20.3	68	
	13H-19H	18.43	S	25.5	47	
	20H-05H	13.60	S	19.7	73	0.5
2001-09-04	06H-12H	14.43	S-W	19.7	88	6.5
	13H-19H	21.00	N	20.1	72	
	20H-05H	13.20	N	12.6	73	
2001-09-05	06H-12H	13.14	N	15.7	54	
	13H-19H	9.14	N-W	19.2	41	0.5
	20H-05H	7.80	W	12.5	76	

The tests were conducted in late summer 2001 and, according to the data collected, under optimal conditions, contrary to the first test series run in November 2000. Dorval recorded precipitation on only three days out of a total of 15. Moreover, during the period, ten days had more than seven hours of sunshine and the other two days were cloudier (i.e., about three hours of sunshine recorded).

The average temperatures recorded during this period were from a minimum of 9.7°C to a maximum of 27.7°C.

To summarize, the weather was relatively clement and had little impact on the containers, the installed equipment, or the images captured by the cameras.

4.2 Trains Observed

During the test period, 113 train moves were observed (from #134 to #246). Table 5 provides a classification of these moves.

Table 5 Classification of the observed moves

Type of train	# of trains	%
Simulation	6	5.31 %
Empty move	14	12.39 %
Locomotive only	18	15.93 %
Train without containers	39	34.51 %
Train with containers	34	30.09 %
Exception: Synchronization error (#194)	1	0.88 %
Exception: CN truck on rails (#182)	1	0.88 %
Total # of trains	113	

The 34 trains with containers (or 30% of the observed moves) were used in the character recognition accuracy analysis.

Table 6 presents information on these moves generated by the AEI station during the test period and comments on the type of move observed.

Fourteen of these moves were identified as empty ones. Some of these moves were probably initiated with the inadvertent activation of the wheel sensors by the 4x4 vehicles used by the staff of the Mosaïcultures exhibition, whose coordinating centre was located near the site. These sensors were possibly activated on the motion sensor on the east side of the site, which is located in the line of access to the building (see Figure 4).



Figure 4 Location of the eastbound move sensor

Table 6 Move information


		 Move Information										
Date	Move	Move Time	Lead	Engine	Dir.	Speed (mph)	Axle	Cars	Tags	Length	xTra	Comments
22-08-2001	134	16:09:48			E	9	8	2	0	125	T	Locomotive only
	135	16:34:05			W	5	28	7	5	440	T	Train without containers
	136	17:46:43									R	Empty move
	137	17:54:55	CN	7232	WR	11	48	12	11	702	T	Train without containers
	138	18:38:06	CN	7232	WR	7	76	19	19	1112	T	Train without containers
	139	18:49:22									R	Empty move
	140	18:51:49	CN	7232	WR	8	24	6	6	348	T	Train without containers
23-08-2001	141	05:02:08	CN	7232	W	9	216	20	109	4121	T	Train with containers
	142	05:38:42	CN	227	E	11	196	17	83	3829	T	Train with containers
	143	14:32:00									R	Empty move
	144	18:17:01	CN	7275	WR	8	128	32	34	1864	T	Train without containers
	145	18:24:46			WR	6	42	11	10	594	T	Train without containers
	146	18:29:22			WR	8	30	8	8	417	T	Train without containers
	147	18:31:36	CN	7275	E	15	12	3	2	180	T	Locomotive only
	148	18:51:54	CN	7275	WR	7	20	5	5	289	T	Train without containers
	149	18:59:47	CN	7275	WR	11	112	28	28	1644	T	Train without containers
24-08-2001	150	04:23:21	CN	7275	W	9	232	24	151	5086	T	Train with containers
	151	04:58:14	CN	275	E	16	25	5	10	486	T	Train with containers
	152	16:20:36			E	9	12	3	1	187	T	Train without containers
	153	16:53:45			WR	6	72	18	16	1037	T	Train without containers
	154	17:58:46									R	Empty move
	155	18:00:20	CN	7247	WR	8	88	22	23	1286	TR	Train without containers
	156	18:30:14	CN	7247	WR	4	20	5	5	285	T	Train without containers
	157	18:42:35	CN	7247	WR	11	92	23	23	1332	T	Train without containers
25-08-2001	158	03:04:12	CN	7247	W	12	8	2	2	112	T	Locomotive only
	159	03:21:21	CN	232	E	16	192	20	20	4387	T	Train with containers
	160	05:51:58	CN	7247	W	8	260	27	139	5417	T	Train with containers
	161	06:28:56	CN	232	E	11	244	25	114	4768	T	Train with containers
26-08-2001	162	00:54:16	CN	7275	W	14	8	2	2	112	T	Locomotive only
	163	01:22:26	CN	275	E	8	305	32	32	6668	T	Train with containers
	164	04:23:35	CN	7275	W	13	116	13	36	2986	T	Train with containers
	165	05:00:38	CN	275	E	14	204	18	60	4049	T	Train with containers
	166	09:23:35	CN	7247	WR	7	44	11	25	640	T	Train without containers
	167	09:35:23	CN	7247	WR	12	40	10	11	584	TR	Train without containers
27-08-2001	168	04:04:24	CN	7247	W	9	100	9	9	1824	T	Train with containers
	169	04:44:25	CN	232	E	7	82	10	38	1631	T	Train with containers
	170	05:05:45			E	10	84	8	32	1900	T	Train with containers
	171	11:31:09			E	8	12	3	1	174	T	Locomotive only
	172	11:44:47			W	6	8	2	0	82	T	Locomotive only
	173	13:21:48		SIMULATION								SIMULATION
	174											Empty move
	175											Empty move
	176											Empty move
	177	15:39:08			E	8	24	6	4	407	T	Train without containers
178	16:35:04			WS	7	90	23	19	1286	T	Train without containers	
179	18:30:56			WR	9	52	13	13	755	TR	Train without containers	
28-08-2001	180	04:26:19	CN	7233	W	8	213	21	21	4374	T	Train with containers, SUREXPOSURE
	181	05:01:24	CN	207	E	18	100	11	16	2333	T	Train with containers, SUREXPOSURE
	182	12:59:31			E	4	1	1	0	13	T	CN truck on rails, SUREXPOSURE
	183											Empty move
	184	17:54:11	CN	7233	WR	7	64	16	16	922	T	Train without containers, SUREXPOSURE
	185	18:02:48	CN	7233	WR	6	12	3	3	164	T	Train without containers, SUREXPOSURE
186	18:12:21	CN	7233	WR	11	64	16	16	932	TR	Train without containers, SUREXPOSURE	
29-08-2001	187	00:07:48			E	5	8	2	1	112	T	Train without containers, SUREXPOSURE
	188	00:41:36			W	3	4	1	0	46	T	Locomotive only, SUREXPOSURE
	189	03:51:33	CN	7249	W	9	188	17	17	3862	T	Train with containers, SUREXPOSURE
	190	05:15:06	CN	259	E	12	124	13	13	2582	T	Train with containers, SUREXPOSURE
	191	07:03:27	CN	7247	W	9	208	21	24	4174	T	Train with containers, SUREXPOSURE
	192	07:34:26	CN	232	E	8	8	2	4	112	T	Locomotive only, SUREXPOSURE
	193			SIMULATION								SIMULATION
	194	09:28:46			W	1	1	1	0	13	TR	Nothing for this move
	195	16:21:37			E	9	8	2	0	125	T	Locomotive only
	196	16:41:03			W	5	24	6	4	384	T	Train without containers
	197	17:47:39	CN	7233	WR	6	5	2	1	69	T	Locomotive only
	198	18:00:10	CN	7233	WR	11	44	11	11	640	T	Train without containers
	199	18:05:06	CN	7233	WR	11	72	18	18	1053	T	Train without containers

Table 6 (cont'd)



Move Information

Date	Move	Move Time	Lead	Engine	Dir.	Speed (mph)	Axle	Cars	Tags	Length	xTra	Comments
30-08-2001	200	03:46:33	CN	7233	W	9	252	27	27	5145	T	Train with containers, SUREXPOSURE
	201	04:35:31	CN	207	E	13	92	10	10	1956	T	Train with containers, SUREXPOSURE
	202			SIMULATION								SIMULATION
	203			SIMULATION								SIMULATION
	204			SIMULATION								SIMULATION
	205			SIMULATION								SIMULATION
	206											Empty move
	207	18:42:48	CN	7249	WR	10	12	3	3	171	T	Train without containers
31-08-2001	208	04:42:51	CN	7249	W	9	248	26	26	4965	T	Train with containers
	209	05:21:10	CN	259	E	15	48	7	7	1109	T	Train with containers
	210	09:40:42			E	7	4	1	0	52	T	Locomotive only
	211	10:01:08			W	6	8	2	1	112	T	Locomotive only
	212	12:22:06	CN	7249	WR	5	52	13	12	774	T	Train without containers
	213											Empty move
01-09-2001	214	01:49:19	CN	7249	W	14	8	2	2	112	T	Locomotive only
	215	02:16:10	CN	259	E	10	228	24	24	4650	T	Train with containers
	216	05:32:47	CN	7249	W	12	184	18	18	3554	T	Train with containers
	217	06:09:55	CN	259	E	12	212	21	21	4236	T	Train with containers
02-09-2001	218	01:23:48	CN	7249	W	15	8	2	2	112	T	Locomotive only
	219	01:56:02	CN	259	E	10	200	17	17	4115	T	Train with containers
	220	04:07:49	CN	7249	W	10	80	12	12	1555	T	Train with containers
	221	04:42:38	CN	259	E	10	228	28	26	4545	T	Train with containers
	222	10:59:25	CN	7249	WR	7	24	6	6	348	T	Train without containers
	223	11:03:00	CN	7249	W	7	8	2	2	112	T	Locomotive only
	224	11:36:34	CN	259	E	10	176	17	17	3373	T	Train with containers
	225	16:01:37			E	5	16	4	3	226	T	Train without containers
	226	16:40:56			W	5	4	1	0	53	T	Locomotive only
	03-09-2001	227	02:03:26	CN	7247	W	10	152	14	14	3042	T
228		03:06:08	CN	232	E	9	148	14	14	3071	T	Train with containers
229												Empty move
230		18:13:06	CN	7233	WR	10	52	13	12	761	T	Train without containers
231												Empty move
232		19:13:05	CN	7233	WR	8	64	16	16	935	T	Train without containers
04-09-2001	233											Empty move
	234	11:15:30			E	9	2	1	0	26	T	Locomotive only
	235	11:33:01			E	11	21	4	2	390	T	Train without containers
	236	11:50:51			W	8	8	2	0	112	T	Train without containers
	237	12:26:31	CN	2526	W	8	412	102	103	6041	T	Train without containers
	238	13:23:14	CN	2599	E	7	12	2	2	148	T	Train without containers
05-09-2001	239	02:25:53	CN	7247	W	13	60	7	7	1185	T	Train with containers
	240	02:58:06	CN	232	E	10	84	11	11	1532	T	Train with containers
	241	05:07:02	CN	7247	W	12	264	26	26	5588	T	Train with containers
	242	05:33:34	CN	232	E	13	8	2	2	112	T	Train without containers
	243	10:54:23			E	8	8	2	0	105	T	Train without containers
	244											Empty move
	245	11:12:24			W	9	2	1	0	13	TR	Locomotive only
	246	11:40:24			E	6	6	2	0	82	T	Train without containers

4.3 Chronology of Events

Table 7 presents the chronology of the events that occurred during the test period and the actions taken regarding these events.

On August 21, 2001, the day before the start of the acceptance test period, certain events occurred. From the beginning of the acceptance pre-tests, camera 1 images were completely black. Both cameras had also lost the pilot lights responsible for opening the camera lenses. CCTC reconnected a camera 1 module, which corrected the problem of the black images. CCTC also adjusted the OCR reference lights and the calibration target lights for each camera.

Table 7 Events during the acceptance tests period

Date	Events	Actions Taken
August 22	<ul style="list-style-type: none"> Start of acceptance tests at 12:00. 	
August 24	<ul style="list-style-type: none"> Clearer images for camera 2. The light for camera 1 had to be adjusted. The bottom reference light for the containers not properly centered. 	<ul style="list-style-type: none"> Problem solved on August 27 by CCTC.
August 27	<ul style="list-style-type: none"> Synchronization problem between LICO stations and the AEI. One Solid State Relay failed. CCTC present on the site at DTI's request. 	<ul style="list-style-type: none"> For train #173, DTI ran a simulation to restore the situation. CCTC connected what was on the defective Solid State Relay to another circuit. CCTC adjusted all the lights for camera 1: target light, reference lights, and spotlights.
August 28	<ul style="list-style-type: none"> CCTC was supposed to change the Solid State Relay, which failed on August 27. This was not done. 	
August 29	<ul style="list-style-type: none"> Synchronization problem between the LICO and the AEI. In the morning, one light breaker was OFF. 	<ul style="list-style-type: none"> For train 193, DTI ran a simulation to restore the train numbers. DTI communicated with CCTC to confirm the replacement date of the Solid State Relay. The breaker was switched back ON by DTI.
August 30	<ul style="list-style-type: none"> Synchronization problem between the LICO and the AEI. One light fuse was still OFF. 	<ul style="list-style-type: none"> For trains 202, 203, 204, and 205, DTI ran simulations to restore the situation. CCTC adjusted the wheel sensors. CCTC came to replace the Solid State Relay 25A with a 45A for Light POD 1. This breaker was switched back ON.
September 5	<ul style="list-style-type: none"> Problem with the lights. The Solid State Relay for Light POD 4 no longer working. The top spotlights for camera 2 were lost. The top reference light for camera 1 was also lost. At 11:15, the 4 light breakers were closed by DTI at the end of the test period. 	<ul style="list-style-type: none"> The Port of Montreal was notified of the situation.

On September 6th, 2001, the day after the end of the test period, DTI visited the site to shut down the computers. When they arrived, a problem was observed on the LICO2 station, which accessed the CoRAIL2 station for data transfer. It had an expired password, preventing access to CoRAIL2. To solve the problem, DTI checked off the 'Password never expires' box for all stations and all user accounts. Following this action, all the computers were shut down.

During this period, three move numbers were desynchronized between the AEI station and the LICOx stations: from #157 to #172 (difference of 1), from #179 to #192 (difference of 1) and from #195 to #201 (difference of 4). After resynchronization of the numerical sequence between the stations, a certain number of simulated train moves were created. A total of six simulations were run during the test period (#173, #193, and #202 to #205). Following simulation #193, data from move #194 were lost.

On August 27th, a Solid State Relay (SSR) failed during the adjustments made by CCTC. They repaired it on August 30th. This caused an overexposure problem for the images received in the interim. Table 8 presents the list of moves affected by this problem.

Table 8 Overexposure problem – list of affected moves

Move	Date	Move time	Description
180	2001-08-28	04:26:19	Train with containers
181		05:01:24	Train with containers
182		12:59:31	CN truck on rails
184		17:54:11	Train without containers
185		18:02:48	Train without containers
186		18:12:21	Train without containers
187	2001-08-29	00:07:48	Train without containers
188		00:41:36	Locomotive only
189		03:51:33	Train with containers
190		05:15:06	Train with containers
191		07:03:27	Train with containers
192		07:34:26	Locomotive only
200	2001-08-30	03:46:33	Train with containers
201		04:35:31	Train with containers

By subtracting the empty moves listed above, a total of 92 moves were kept to analyze their processing time.

5 ANALYSIS

5.1 Processing Time

Contrary to the method used by INO during the first test series, DTI chose to base its processing-time analysis approach on the criteria presented in Section 3. Given that no move was similar to the specifications of a reference train move, DTI retained an assumption, accepted by all stakeholders, that met the specified processing time requirements.

To achieve the objective set by the Port of Montreal and Transport Canada, the system would have to process the passage of a train in a time less than or equal to the time set for processing a reference train, or 20 minutes after detection. However, it is absolutely essential that this 6000' train, which travels at a speed of 10 miles per hour (within the established standard of 15 mph \pm 5), take 6 minutes 49 seconds to cross the site completely (maximum duration of a reference train move).

The breakdown by average length of the trains observed shows that the average processing time is less than the established duration (see Table 9).

Table 9 Breakdown by average length

Length (in feet)	No. of trains	Trains with cont.	Average no. of cont.	Average move time	Average process time
0 – 500	37	1	8	1 min 44 sec	2 min 52 sec
501 - 1000	9	0	0	4 min 15 sec	6 min 32 sec
1001 - 1500	6	2	22	5 min 51 sec	7 min 5 sec
1501 - 2000	8	6	37	4 min 4 sec	6 min 45 sec
2001 - 2500	1	1	41	2 min 30 sec	6 min 38 sec
2501 - 3000	2	2	46	3 min 42 sec	7 min 26 sec
3001 - 3500	3	3	78	4 min 52 sec	12 min 33 sec
3501 - 4000	3	3	58	5 min 38 sec	11 min 33 sec
4001 - 4500	7	7	113	5 min 40 sec	13 min 42 sec
4501 - 5000	4	4	124	7 min 46 sec	17 min 28 sec
5001 - 5500	3	3	116	10 min 40 sec	15 min 29 sec
5501 - 6000	1	1	166	7 min 1 sec	18 min 38 sec
6000 +	2	1	195	12 min 39 sec	19 min 4 sec
Total	86	34			

NOTE: 6 problem trains (#153, 167, 178, 186, 245, and 246) are not included in this table.

Table 10 presents the processing times noted for the train moves analyzed during the period. Note that performance is considered adequate if the two criteria mentioned above (i.e., 20 min. processing time and maximum duration of 6 min. 49 sec. for a reference move) are maintained. If this is not the case, the objective is not achieved. The overall network performance appears at the end of the table.

Table 10 Processing times

Date	Move no.	Speed			Length	Move duration	Move time	End process time	Process duration	Performance flag	Comments
		Min	Max	Average							
2001-08-22	134	8	9	9	125	0:00:58	16:09:48	16:11:14	0:01:26	1	
	135	4	6	5	440	0:06:42	16:34:05	16:41:28	0:07:23	1	
	137	1	16	11	702	0:02:47	17:54:55	17:59:02	0:04:07	1	
	138	1	11	7	1112	0:05:38	18:38:06	18:44:40	0:06:34	1	
	140	3	14	8	348	0:02:03	18:51:49	18:55:42	0:03:53	1	
2001-08-23	141	9	10	9	4121	0:06:14	5:02:08	5:15:48	0:13:40	1	
	142	6	14	11	3829	0:05:37	5:38:42	5:51:30	0:12:48	1	
	144	1	11	8	1864	0:07:21	18:17:01	18:25:20	0:08:19	1	
	145	1	9	6	594	0:04:18	18:24:46	18:31:54	0:07:08	1	
	146	1	14	8	417	0:02:13	18:29:22	18:33:30	0:04:08	1	
	147	14	17	15	180	0:00:48	18:31:36	18:34:24	0:02:48	1	
	148	4	10	7	289	0:02:47	18:51:54	18:55:12	0:03:18	1	
	149	1	18	11	1644	0:05:16	18:59:47	19:05:52	0:06:05	1	
2001-08-24	150	5	10	9	5086	0:11:23	4:23:21	4:40:30	0:17:09	1	
	151	14	18	16	486	0:01:11	4:58:14	5:00:58	0:02:44	1	
	152	8	9	9	187	0:01:04	16:20:36	16:21:58	0:01:22	1	
	153	3	9	6	1037	1:04:45	16:53:45	17:59:30	1:05:45	1	Move duration of 1:04:45
	155	1	16	8	1286	0:14:23	18:00:20	18:15:22	0:15:02	1	
	156	2	6	4	285	0:03:25	18:30:14	18:34:04	0:03:50	1	
	157	3	19	11	1332	0:05:35	18:42:35	18:47:24	0:04:49	1	
2001-08-25	158	12	13	12	112	0:00:49	3:04:12	3:05:14	0:01:02	1	
	159	12	19	16	4387	0:04:42	3:21:21	3:35:52	0:14:31	1	
	160	1	9	8	5417	0:12:48	5:51:58	6:08:06	0:16:08	1	
	161	6	14	11	4768	0:06:56	6:28:56	6:45:34	0:16:38	1	
2001-08-26	162	13	14	14	112	0:01:38	0:54:16	0:56:20	0:02:04	1	
	163	4	12	8	6668	0:13:01	1:22:26	1:46:54	0:24:28	1	Move duration over 6min 49sec
	164	11	14	13	2986	0:03:35	4:23:35	4:31:16	0:07:41	1	
	165	12	16	14	4049	0:04:39	5:00:38	5:13:14	0:12:36	1	
	166	4	10	7	640	0:03:24	9:23:35	9:27:56	0:04:21	1	
	167	7	17	12	584	0:02:27	9:35:23	28:06:58	18:31:35	0	End-of-train detection problem
2001-08-27	168	8	9	9	1824	0:04:00	4:04:24	4:12:46	0:08:22	1	
	169	3	9	7	1631	0:03:46	4:44:25	4:50:54	0:06:29	1	
	170	3	13	10	1900	0:03:20	5:05:45	5:12:34	0:06:49	1	
	171	8	9	8	174	0:01:05	11:31:09	11:32:38	0:01:29	1	
	172	6	7	6	82	0:00:58	11:44:47	11:45:58	0:01:11	1	
	177	7	9	8	407	0:01:25	15:39:08	15:56:38	0:17:30	1	
	178	1	10	7	1286	1:55:24	16:35:04	18:31:18	1:56:14	1	Move duration of 1:55:24
	179	2	16	9	755	0:06:08	18:30:56	18:36:30	0:05:34	1	
2001-08-28	180	7	10	8	4374	0:06:52	4:26:19	4:37:54	0:11:35	1	
	181	14	21	18	2333	0:02:30	5:01:24	5:08:02	0:06:38	1	
	182	4	4	4	13	0:05:46	12:59:31	13:05:50	0:06:19	1	
	184	0	10	7	922	0:07:14	17:54:11	18:02:00	0:07:49	1	
	185	6	7	6	164	0:02:07	18:02:48	18:05:10	0:02:22	1	
	186	1	17	11	932	0:03:20	18:12:21	24:10:18	5:57:57	0	End-of-train detection problem
2001-08-29	187	3	7	5	112	0:01:11	0:07:48	0:11:14	0:03:26	1	
	188	2	3	3	46	0:01:07	0:41:36	0:42:52	0:01:16	1	
	189	8	9	9	3862	0:06:09	3:51:33	4:00:26	0:08:53	1	
	190	11	12	12	2582	0:03:48	5:15:06	5:22:16	0:07:10	1	
	191	8	9	9	4174	0:06:27	7:03:27	7:13:36	0:10:09	1	
	192	8	8	8	112	0:01:00	7:34:26	7:35:52	0:01:26	1	
	195	8	9	9	125	0:00:58	16:21:37	16:22:46	0:01:09	1	
	196	5	6	5	384	0:06:28	16:41:03	16:48:14	0:07:11	1	
	197	2	10	6	69	0:01:35	17:47:39	17:49:32	0:01:53	1	
	198	0	16	11	640	0:03:09	18:00:10	18:04:20	0:04:10	1	
	199	2	17	11	1053	0:05:17	18:05:06	18:11:26	0:06:20	1	
2001-08-30	200	5	12	9	5145	0:07:48	3:46:33	3:59:42	0:13:09	1	
	201	11	18	13	1956	0:02:47	4:35:31	4:41:38	0:06:07	1	
	207	9	13	10	171	0:01:45	18:42:48	18:46:29	0:03:41	1	
2001-08-31	208	3	10	9	4965	0:11:55	4:42:51	5:00:22	0:17:31	1	
	209	15	16	15	1109	0:01:35	5:21:10	5:26:28	0:05:18	1	
	210	7	7	7	53	0:00:54	9:40:42	9:41:52	0:01:10	1	
	211	6	7	6	112	0:01:04	10:01:08	10:02:44	0:01:36	1	
	212	1	7	5	774	0:05:26	12:22:06	12:37:34	0:15:28	1	

Table 10 (cont'd)

Date	Move no.	Speed			Length	Move duration	Move time	End process time	Process duration	Performance flag	Comments
		Min	Max	Average							
2001-09-01	214	14	14	14	112	0:00:49	1:49:19	1:52:58	0:03:39	1	
	215	8	11	10	4650	0:06:09	2:16:10	2:35:08	0:18:58	1	
	216	10	12	12	3554	0:05:07	5:32:47	5:45:44	0:12:57	1	
	217	10	14	12	4236	0:05:06	6:09:55	6:27:50	0:17:55	1	
2001-09-02	218	15	15	15	112	0:00:48	1:23:48	1:25:02	0:01:14	1	
	219	10	10	10	4115	0:05:38	1:56:02	2:11:32	0:15:30	1	
	220	10	10	10	1555	0:03:26	4:07:49	4:13:52	0:06:03	1	
	221	8	10	10	4545	0:06:04	4:42:38	4:59:00	0:16:22	1	
	222	3	9	7	348	0:02:11	10:59:25	11:02:12	0:02:47	1	
	223	7	8	7	112	0:01:19	11:03:00	11:04:58	0:01:58	1	
	224	9	10	10	3373	0:04:45	11:36:34	11:49:18	0:12:44	1	
	225	3	6	5	226	0:01:25	16:01:37	16:03:36	0:01:59	1	
	226	4	5	5	53	0:01:01	16:40:56	16:42:12	0:01:16	1	
	2001-09-03	227	10	10	10	3042	0:05:08	2:33:26	2:45:26	0:12:00	1
228		4	10	9	3071	0:04:44	3:06:08	3:19:04	0:12:56	1	
230		4	14	10	761	0:03:05	18:13:06	18:17:44	0:04:38	1	
232		2	10	8	935	0:04:13	19:13:05	19:18:42	0:05:37	1	
2001-09-04	234	9	9	9	26	0:00:49	11:15:30	11:18:28	0:02:58	1	
	235	10	11	11	390	0:01:11	11:33:01	11:34:50	0:01:49	1	
	236	8	8	8	112	0:00:56	11:50:51	11:51:36	0:00:45	1	
	237	1	11	8	6041	0:12:16	12:26:31	12:40:10	0:13:39	1	
	238	6	7	7	148	0:01:03	13:23:14	13:24:10	0:00:56	1	
2001-09-05	239	11	15	13	1185	0:02:38	2:25:53	2:30:22	0:04:29	1	
	240	10	11	10	1532	0:02:32	2:58:06	3:03:52	0:05:46	1	
	241	8	15	12	5588	0:07:01	5:07:02	5:25:40	0:18:38	1	
	242	12	14	13	112	0:00:50	5:33:34	5:34:12	0:00:38	1	
	243	7	8	8	105	0:00:55	10:54:12	10:54:54	0:00:42	1	
	245	8	9	9	13	0:27:53	11:12:24	11:42:00	0:29:36	1	Move duration of 0:27:53
	246	5	8	6	82	0:06:37	11:40:24	18:31:42	6:51:18	0	End-of-train detection problem

Number of moves : 92
 Respect of criteria : 89
 Processing time performance : 96.74%

As indicated in Table 10, seven moves do not conform to the 20-minute limit. However, four of them have duration greater than the fixed maximum. These exceptions are listed in Table 11.

Table 11 Processing times - exceptions

Move #	Move duration	Processing duration
153	1 hr 4 min 45 sec	1 hr 5 min 45 sec
163	13 min 1 sec	24 min 28 sec
178	1 hr 55 min 24 sec	1 hr 56 min 14 sec
245	27 min 53 sec	29 min 36 sec

The other three moves (#167, #186, and #246) are linked to an end-of-train detection problem. CCTC analyzed them to establish a diagnosis. Their analysis indicated that the LICO station software updated the end-of-train indicator on an image already transferred to the CoRAIL stations in one specific case. This station therefore did not see the updated indicator and continued processing, which explains the problem. According to CCTC, possible solutions to this problem exist, and it would take approximately three days to correct it.

The obtained processing performance of 96.74% (89/92 moves) within 20 minutes conforms to the Port of Montreal's requirements. DTI believes that the changes made to the network configuration (hardware and software) of the CoRAIL stations allowed these requirements to be met. Some software recommendations made in Section 7 would allow further improvement of the performance currently achieved by the system.

5.2 Accuracy

The most important acceptance criterion for the AEI/OCR system is the level of accuracy obtained by the OCR program in the identification of container numbers. The OCR system is required to achieve an overall performance of 80% recognition accuracy of standard ISO container identification numbers.

The accuracy of the information transmitted via an EDI train consist file to the Port of Montreal corresponds exactly to the ability of the OCR program to determine the identification code marked on the container. The level of accuracy was achieved despite the following difficulties associated with reading these codes:

- Nonconformance with the ISO 6346 container identification standard;
- Shadow effects due to the physical corrugations on the containers;
- Nature of the platforms used to transport the containers;
- Underexposure or overexposure of the captured images;
- Physical condition (e.g., rusted containers);
- Weather conditions;
- Different shades and/or colors used on the containers.

In the accuracy calculation DTI took into account all validity criteria described in Section 3. Two different percentages appear in Tables 12 to 14: one for all containers and another for “valid” containers. The accuracy obtained for each side or camera also appears. This calculation was greatly influenced by one or many of the difficulties listed above and problems occurring with the grabber software. The calculated accuracy per side represents an additional analysis to determine the feasibility of achieving an acceptable level of accuracy with a single camera per side rather than a dual camera mode. Note that the accuracy of the system would suffer greatly because redundancy would be lost.

Difficulties concerning results shown

As described in the previous sections, several problems persisted throughout the test period:

- adjustment
 - camera no 1
 - lights
 - train detection

- synchronization
 - between both LICO stations
 - between LICO station and AEI station
- end-of-train detection
- poor performance of the grabber for almost all the trains
- electric circuits
 - Solid State Relays
 - breakers
- stability of fixation systems used (cameras, housing, lights)

When all system components, including hardware and software, work perfectly, optimal conditions are reached. As these must be present to calculate true OCR accuracy, no test move can be considered as meeting these conditions. In DTI's analysis of results all moves suffered from one form of malfunction or another. It would be an error to make a critical judgment on the accuracy level obtained, based on the statistics in the following pages.

The results in Tables 12 to 14 help to answer certain questions raised by INO or CCTC during the first acceptance tests. However no conclusion can be made on the real accuracy of the OCR system, because problems in the AEI section significantly lowered its accuracy. So the results do not do it justice. For example, in moves #151 and #220 these problems decreased the OCR accuracy obtained by one of the two cameras, thereby falsifying the obtained results and the calculation of the global accuracy of the system. Thus analysis of the accuracy calculated and presented in each of the following tables must take into account these problems.

Nevertheless, the results obtained are very encouraging. On August 31st, following adjustments made by CCTC, the material/software conditions were the best observed during the two weeks of tests. As seen in Table 12, results obtained during this day were 85% OCR accuracy, despite problems with the frame grabber software.

Table 12 Accuracy rate – optimal conditions



Acceptance Tests Form - Optimal conditions (August 31th)

DATE	MOVE	# IMAGES		# CONT.		CAMERA 1		CAMERA 2		PoM		SPEED (MPH)				
		C1	C2	Tot	Valid	Perf. (%)	#Found	Invalid	Perf. (%)	#Found	Invalid	Perf. (%)	#Found	Min	Max	Avrg
2001-08-31	208	342	332	122	115	63.96%	71	11	61.82%	68	12	85.22%	98	3	10	9
	209	80	80	29	26	58.33%	14	5	68.00%	17	4	84.62%	22	15	16	15

SUMMARY

Total # of trains analyzed :	2
Total # of containers:	151
Total # of valid containers :	141
Total # of code found CAM 1:	85
Total # of code found CAM 2:	85
Total # of code found PoM:	120
# of perfect match code :	54
% of perfect match code :	45.00%

INVALIDITY

Total # of invalid containers C	16
Total # of invalid containers C:	16
Total # of invalid containers :	10
Invalidity rate C1 :	10.60%
Invalidity rate C2 :	10.60%
Global invalidity rate :	6.62%

SPEED

Average min.speed :	9
Average max. speed :	13
Average speed :	12

PoM	Mean Accuracy/all cont.	79.47%
	Mean Accuracy/valid cont.	85.11%
Cam 1	Mean Accuracy/all cont. C1	56.29%
	Mean Accuracy/valid cont. C1	62.96%
Cam 2	Mean Accuracy/all cont. C2	56.29%
	Mean Accuracy/valid cont. C2	62.96%

In conclusion, these two weeks of tests confirmed that, with optimal equipment and operating conditions as well as a functional AEI system, it would be possible to meet the 80% target of OCR accuracy. Thus, solutions to resolve the problems encountered during the acceptance tests must be found.

Tables of analysis of results

N.B. Tables 13 and 14 are presented for information only.

Table 13 presents the results obtained on 34 moves observed during the test period, as well as comments on the images collected for each move.

Table 13 Moves with containers

		DTI TELECOM													
Acceptance Tests Form															
DATE	MOVE	# IMAGES		# CONT.		CAMERA 1			CAMERA 2			PoM		Comments	
		C1	C2	Tot	Valid	Perf. (%)	#Found	Invalid	Perf. (%)	#Found	Invalid	Perf. (%)	#Found		
2001-08-23	141	242	250	98	93	48.24%	41	13	60.23%	53	10	79.57%	74	Distortion - Images C1	
	142	317	314	67	64	44.83%	26	9	44.83%	26	9	64.06%	41	Distortion - Images C1	
2001-08-24	150	308	308	132	129	55.74%	68	10	53.91%	69	4	71.32%	92	Distortion - Images C1	
	151	39	39	8	8	14.29%	1	1	37.50%	3	0	25.00%	2	Distortion - Images C1	
2001-08-25	159	350	328	101	92	53.33%	48	11	46.15%	42	10	69.57%	64	Distortion - Images C1	
	160	336	335	105	103	51.52%	51	6	50.51%	50	6	73.79%	76	Distortion - Images C1	
	161	389	389	124	122	52.21%	59	11	50.42%	60	5	72.95%	89	Distortion - Images C1	
2001-08-26	163	533	533	195	188	52.57%	92	20	55.87%	100	16	73.40%	138	Distortion - Images C1	
	164	153	153	46	44	53.66%	22	5	47.62%	20	4	70.45%	31	Distortion - Images C1	
	165	330	340	96	95	44.09%	41	3	39.56%	36	5	66.32%	63	Distortion - Images C1	
2001-08-27	168	127	128	30	30	73.33%	22	0	60.00%	18	0	76.67%	23	Distortion - Images C1	
	169	123	123	37	36	41.18%	14	3	38.24%	13	3	50.00%	18	Distortion - Images C1	
	170	137	130	37	37	37.14%	13	2	34.29%	12	2	56.76%	21	Distortion - Images C1	
2001-08-28	180	0	0	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	Overexposure	
	181	0	0	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	Overexposure	
2001-08-29	189	0	0	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	Overexposure	
	190	0	0	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	Overexposure	
	191	0	0	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	Overexposure	
2001-08-30	200	310	311	103	37	62.86%	22	68	61.76%	21	69	75.68%	28	Reference light missing	
	201	0	0	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	Overexposure	
2001-08-31	208	342	332	122	115	63.96%	71	11	61.82%	68	12	85.22%	98		
	209	80	80	29	26	58.33%	14	5	68.00%	17	4	84.62%	22		
2001-09-01	215	319	300	121	117	61.32%	65	15	63.46%	66	17	79.49%	93		
	216	247	246	85	82	69.23%	54	7	36.36%	28	8	74.39%	61		
	217	297	297	130	126	60.98%	75	7	54.17%	65	10	74.60%	94		
2001-09-02	219	282	282	117	112	64.65%	64	18	66.67%	74	6	81.25%	91		
	220	109	109	35	34	11.11%	3	8	56.25%	18	3	61.76%	21	Images C1 slightly overexp.	
	221	294	303	118	106	74.19%	69	25	64.76%	68	13	84.91%	90		
	224	229	221	99	94	55.56%	45	18	54.22%	45	16	70.21%	66		
2001-09-03	227	208	200	51	46	61.36%	27	7	22.22%	10	6	71.74%	33	Images C2 - good illumination	
	228	212	211	83	79	55.22%	37	16	54.55%	42	6	75.95%	60		
2001-09-05	239	87	87	14	12	0.00%	0	2	16.67%	2	2	16.67%	2	Reference light missing	
	240	100	106	26	22	45.00%	9	6	40.00%	8	6	54.55%	12	Reference light missing	
	241	383	386	166	146	44.44%	56	40	39.26%	53	31	58.22%	85	Reference light missing	

A sample of 24 of these moves was analyzed. Among the 34 moves that involved containers, seven (#180, 181, 189, 190, 191, 200, and 201) were rejected because of overexposure, which rendered the images unusable for analysis.

Three other moves (#239, 240, and 241) were also rejected because a reference light was not operational.

Table 14 presents the accuracy rate obtained on these 24 reserved moves.

Table 14 Accuracy rate on reserved moves



Acceptance Tests Form

DATE	MOVE	# IMAGES		# CONT.		CAMERA 1			CAMERA 2			PoM		SPEED (MPH)		
		C1	C2	Tot	Valid	Perf. (%)	#Found	Invalid	Perf. (%)	#Found	Invalid	Perf. (%)	#Found	Min	Max	Average
2001-08-23	141	242	250	98	93	48.24%	41	13	60.23%	53	10	79.57%	74	9	10	9
	142	317	314	67	64	44.83%	26	9	44.83%	26	9	64.06%	41	6	14	11
2001-08-24	150	308	308	132	129	55.74%	68	10	53.91%	69	4	71.32%	92	5	10	9
	151	39	39	8	8	14.29%	1	1	37.50%	3	0	25.00%	2	14	18	16
2001-08-25	159	350	328	101	92	53.33%	48	11	46.15%	42	10	69.57%	64	12	19	16
	160	336	335	105	103	51.52%	51	6	50.51%	50	6	73.79%	76	1	9	8
2001-08-26	161	389	389	124	122	52.21%	59	11	50.42%	60	5	72.95%	89	6	14	11
	163	533	533	195	188	52.57%	92	20	55.87%	100	16	73.40%	138	4	12	8
2001-08-27	164	153	153	46	44	53.66%	22	5	47.62%	20	4	70.45%	31	11	14	13
	165	330	340	96	95	44.09%	41	3	39.56%	36	5	66.32%	63	12	16	14
2001-08-31	168	127	128	30	30	73.33%	22	0	60.00%	18	0	76.67%	23	8	9	9
	169	123	123	37	36	41.18%	14	3	38.24%	13	3	50.00%	18	3	9	7
2001-09-01	170	137	130	37	37	37.14%	13	2	34.29%	12	2	56.76%	21	3	13	10
	208	342	332	122	115	63.96%	71	11	61.82%	68	12	85.22%	98	3	10	9
2001-09-02	209	80	80	29	26	58.33%	14	5	68.00%	17	4	84.62%	22	15	16	15
	215	319	300	121	117	61.32%	65	15	63.46%	66	17	79.49%	93	8	11	10
2001-09-03	216	247	246	85	82	69.23%	54	7	36.36%	28	8	74.39%	61	10	12	12
	217	297	297	130	126	60.98%	75	7	54.17%	65	10	74.60%	94	10	14	12
2001-09-04	219	282	282	117	112	64.65%	64	18	66.67%	74	6	81.25%	91	10	10	10
	220	109	109	35	34	11.11%	3	8	56.25%	18	3	61.76%	21	10	10	10
2001-09-05	221	294	303	118	106	74.19%	69	25	64.76%	68	13	84.91%	90	8	10	10
	224	229	221	99	94	55.56%	45	18	54.22%	45	16	70.21%	66	9	10	10
2001-09-06	227	208	200	51	46	61.36%	27	7	22.22%	10	6	71.74%	33	10	10	10
	228	212	211	83	79	55.22%	37	16	54.55%	42	6	75.95%	60	4	10	9

SUMMARY

Total # of trains analyzed : 28

Total # of containers: 2066

Total # of valid containers : 1978

Total # of code found CAM 1: 1022

Total # of code found CAM 2: 1003

Total # of code found PoM: 1461

of perfect match code : 639

% of perfect match code : 43.74%

INVALIDITY

Total # of invalid containers C1 : 231

Total # of invalid containers C2 : 175

Total # of invalid containers : 88

Invalidity rate C1 : 11.18%

Invalidity rate C2 : 8.47%

Global invalidity rate : 4.26%

SPEED

Average min.speed : 8

Average max. speed : 12.3

Average speed : 10.8

PoM	Mean Accuracy/all cont.	70.72%
	Mean Accuracy/valid cont.	73.86%
Cam 1	Mean Accuracy/all cont. C1	49.47%
	Mean Accuracy/valid cont. C1	55.69%
Cam 2	Mean Accuracy/all cont. C2	48.55%
	Mean Accuracy/valid cont. C2	53.04%

On the basis of these compiled results, DTI made the following interpretations:

- The overall accuracy for all containers observed: 70.7% (73.9% of those identified as “valid”) → the specified accuracy threshold was not achieved during the tests.
- Accuracy obtained on camera 1: 49.5% (55.7% for the “valid” containers). Accuracy obtained on camera 2: 48.6% (53% for the “valid” containers) → the accuracy of each camera is essentially the same.
- The percentage of completely invalid containers is 4.3% (11.2% for side of camera 1, 8.5% for side of camera 2) → the percentage of invalid containers slightly reduces the accuracy rate obtained.
- Perfect identification of the containers by the two cameras was obtained for 28.8% of all containers observed during the test period. Moreover, 40.7% of the identification codes transmitted to the Port of Montreal computer were identified by both cameras, while the other codes returned were the result of interpretation by the INO software of the combination of the two images returned by the cameras.

5.3 Other Observations

DTI made some supplementary analyses of these 24 moves, to clear up certain points and to confirm or to weaken certain conclusions of the INO test report.

Day/Night Accuracy

One of the points raised by INO and CCTC during the first test series was that the accuracy of the results was better at night than by day. They noted the presence of a building opposite camera 2, contrary to camera 1, which is aimed at the pier and the sky. Since the building acts as a background, this works to the advantage of camera 2 in terms of image capture quality. In addition, shadows play on the site because of the nearby grain elevators.

Figures 5 and 6 show the physical location of the target lights serving as references for the two cameras and the background of each camera. The photos were taken in the early afternoon on October 15th, 2001. On a sunny morning, the site is completely in sunlight, but by early afternoon the site becomes increasingly shaded until it is completely in the shade at sunset.

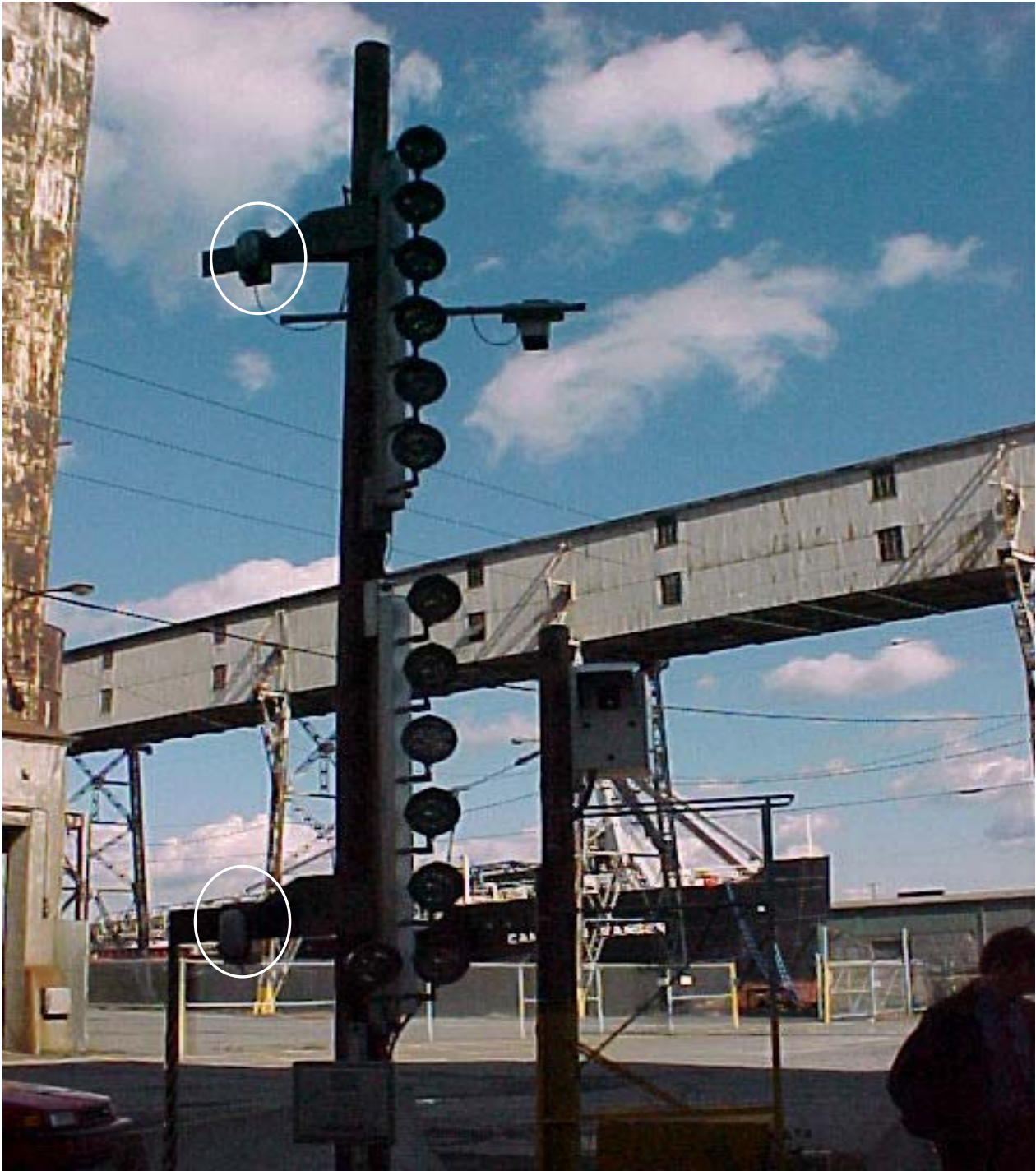


Figure 5 OCR reference lights – side view of camera 1

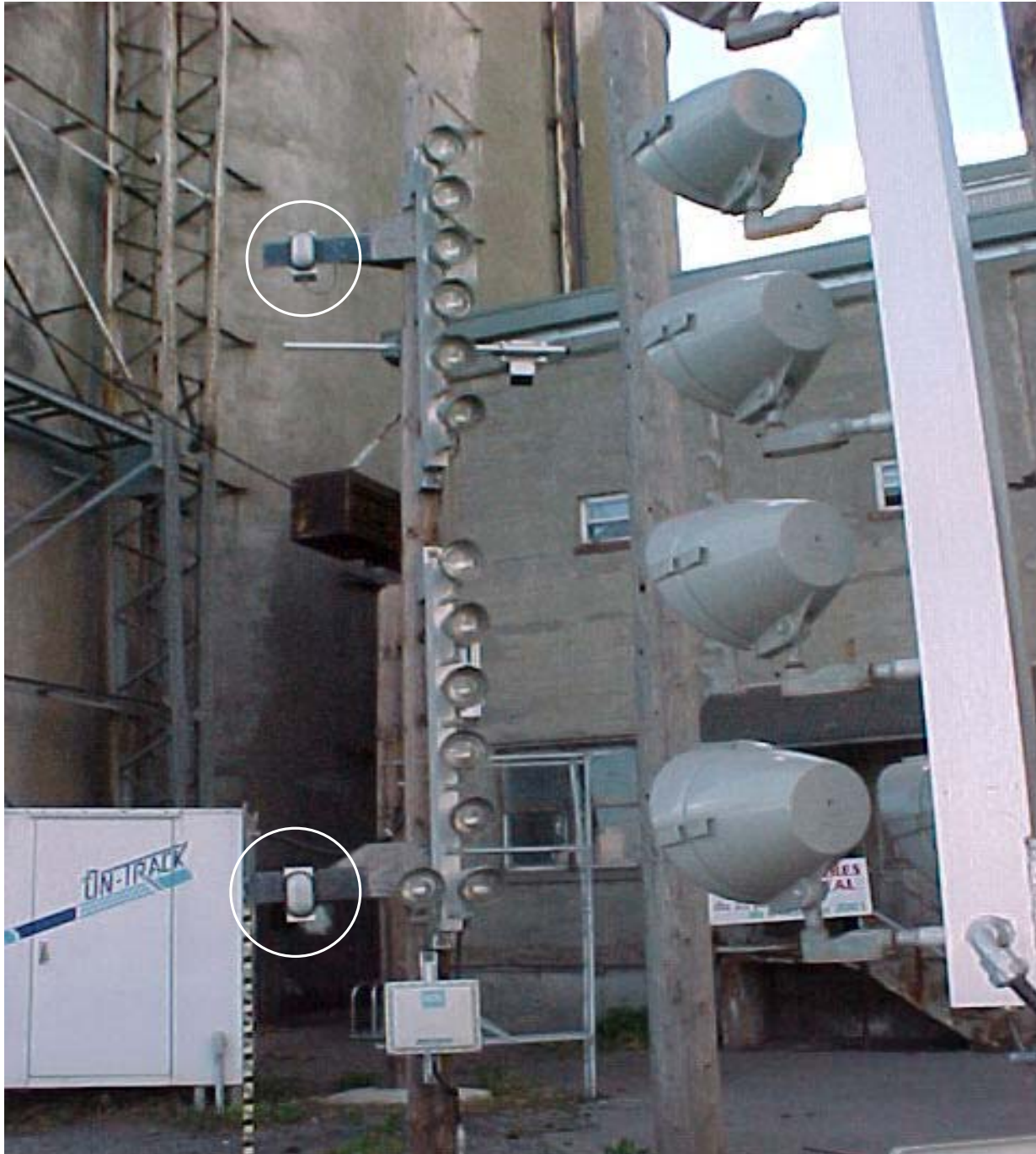


Figure 6 OCR reference lights – side view of camera 2

The basis of selection of the moves for Tables 15 and 16 is:

- Daytime: from 6:00 a.m. to 8:00 p.m.
- Nighttime: from 8:00 p.m. to 6:00 a.m.

Table 15 Daytime accuracy rate



Acceptance Tests Form - DAYTIME (after 6 AM)

DATE	MOVE	# IMAGES		# CONT.		Perf. (%)	CAMERA 1		Perf. (%)	CAMERA 2		Perf. (%)	PoM	SPEED (MPH)		
		C1	C2	Tot	Valid		#Found	Invalid		#Found	Invalid			#Found	Min	Max
2001-08-25	161	389	389	124	122	52.21%	59	11	50.42%	60	5	72.95%	89	6	14	11
2001-09-01	217	297	297	130	126	60.98%	75	7	54.17%	65	10	74.60%	94	10	14	12
2001-09-02	224	229	221	99	94	55.56%	45	18	54.22%	45	16	70.21%	66	9	10	10

SUMMARY

Total # of trains analyzed : 3

Total # of containers: 353
Total # of valid containers : 342

Total # of code found CAM 1: 179
Total # of code found CAM 2: 170
Total # of code found PoM: 249

of perfect match code : 106
% of perfect match code : 42.57%

INVALIDITY

Total # of invalid containers C1 : 36
Total # of invalid containers C2 : 31
Total # of invalid containers : 11

Invalidity rate C1 : 10.20%
Invalidity rate C2 : 8.78%
Global invalidity rate : 3.12%

SPEED

Average min.speed : 8.3
Average max. speed : 12.7
Average speed : 11

PoM	Mean Accuracy/all cont.	70.54%
	Mean Accuracy/valid cont.	72.81%
Cam 1	Mean Accuracy/all cont. C1	50.71%
	Mean Accuracy/valid cont. C1	56.47%
Cam 2	Mean Accuracy/all cont. C2	48.16%
	Mean Accuracy/valid cont. C2	52.80%

Table 16 Nighttime accuracy rate



Acceptance Tests Form - NIGHTTIME (after 8 PM)

DATE	MOVE	# IMAGES		# CONT.		CAMERA 1			CAMERA 2			PoM		SPEED (MPH)		
		C1	C2	Tot	Valid	Perf. (%)	#Found	Invalid	Perf. (%)	#Found	Invalid	Perf. (%)	#Found	Min	Max	Average
2001-08-23	141	242	250	98	93	48.24%	41	13	60.23%	53	10	79.57%	74	9	10	9
	142	317	314	67	64	44.83%	26	9	44.83%	26	9	64.06%	41	6	14	11
2001-08-24	150	308	308	132	129	55.74%	68	10	53.91%	69	4	71.32%	92	5	10	9
	151	39	39	8	8	14.29%	1	1	37.50%	3	0	25.00%	2	14	18	16
2001-08-25	159	350	328	101	92	53.33%	48	11	46.15%	42	10	69.57%	64	12	19	16
	160	336	335	105	103	51.52%	51	6	50.51%	50	6	73.79%	76	1	9	8
2001-08-26	163	533	533	195	188	52.57%	92	20	55.87%	100	16	73.40%	138	4	12	8
	164	153	153	46	44	53.66%	22	5	47.62%	20	4	70.45%	31	11	14	13
2001-08-27	165	330	340	96	95	44.09%	41	3	39.56%	36	5	66.32%	63	12	16	14
	168	127	128	30	30	73.33%	22	0	60.00%	18	0	76.67%	23	8	9	9
2001-08-31	169	123	123	37	36	41.18%	14	3	38.24%	13	3	50.00%	18	3	9	7
	170	137	130	37	37	37.14%	13	2	34.29%	12	2	56.76%	21	3	13	10
2001-09-01	208	342	332	122	115	63.96%	71	11	61.82%	68	12	85.22%	98	3	10	9
	209	80	80	29	26	58.33%	14	5	68.00%	17	4	84.62%	22	15	16	15
2001-09-02	215	319	300	121	117	61.32%	65	15	63.46%	66	17	79.49%	93	8	11	10
	216	247	246	85	82	69.23%	54	7	36.36%	28	8	74.39%	61	10	12	12
2001-09-03	219	282	282	117	112	64.65%	64	18	66.67%	74	6	81.25%	91	10	10	10
	220	109	109	35	34	11.11%	3	8	56.25%	18	3	61.76%	21	10	10	10
2001-09-03	221	294	303	118	106	74.19%	69	25	64.76%	68	13	84.91%	90	8	10	10
	227	208	200	51	46	61.36%	27	7	22.22%	10	6	71.74%	33	10	10	10
	228	212	211	83	79	55.22%	37	16	54.55%	42	6	75.95%	60	4	10	9

SUMMARY

Total # of trains analyzed :	25				
Total # of containers:	1713	INVALIDITY	Total # of invalid containers C1 :	195	
Total # of valid containers :	1636		Total # of invalid containers C2 :	144	
			Total # of invalid containers :	77	
				SPEED	
Total # of code found CAM 1:	843		Invalidity rate C1 :	11.38%	
Total # of code found CAM 2:	833		Invalidity rate C2 :	8.41%	
Total # of code found PoM:	1212		Global invalidity rate :	4.50%	
# of perfect match code :	533			Average min.speed :	7.904762
% of perfect match code :	43.98%			Average max. speed :	12
				Average speed :	10.7

PoM	Mean Accuracy/all cont.	70.75%
	Mean Accuracy/valid cont.	74.08%
Cam 1	Mean Accuracy/all cont. C1	49.21%
	Mean Accuracy/valid cont. C1	55.53%
Cam 2	Mean Accuracy/all cont. C2	48.63%
	Mean Accuracy/valid cont. C2	53.09%

As INO observed the first time, there are many more nighttime activities. During the present tests, the Mosaïcultures exhibition certainly had an effect on this, with only three moves out of 24. After analyzing these figures, DTI formulated the following interpretations:

- The container invalidity rate is greater at night than by day (about 4.5%). However, due to the low daytime sample, it is very difficult to arrive at a valid conclusion.
- The percentage of accuracy for the “valid” containers is practically the same by day (70.5%) as at night (70.8%).
- The percentage of accuracy for the “valid” containers is essentially the same for each camera: camera 1 gives 56.5% by day vs. 55.5% at night, while camera 2 gives 52.8% by day vs. 53.1% at night.

Clearly, time of day has very little impact on the results obtained. The same finding can also be applied to the presence of Elevator 5 and the play of shadows on the site.

Accuracy following adjustments to camera 1

DTI also evaluated the impact of the August 30 adjustments to camera 1 on the results obtained. Following these adjustments, the physical configuration of the equipment was optimal. Table 17 presents the results obtained following these adjustments.

Table 17 Accuracy rate after adjustment of camera 1

DTI TELECOM
Acceptance Tests Form - After 2001-08-30

DATE	MOVE	# IMAGES		# CONT.		CAMERA 1			CAMERA 2			PoM		SPEED (MPH)		
		C1	C2	Tot	Valid	Perf. (%)	#Found	Invalid	Perf. (%)	#Found	Invalid	Perf. (%)	#Found	Min	Max	Average
2001-08-31	208	342	332	122	115	63.96%	71	11	61.82%	68	12	85.22%	98	3	10	9
	209	80	80	29	26	58.33%	14	5	68.00%	17	4	84.62%	22	15	16	15
2001-09-01	215	319	300	121	117	61.32%	65	15	63.46%	66	17	79.49%	93	8	11	10
	216	247	246	85	82	69.23%	54	7	36.36%	28	8	74.39%	61	10	12	12
	217	297	297	130	126	60.98%	75	7	54.17%	65	10	74.60%	94	10	14	12
2001-09-02	219	282	282	117	112	64.65%	64	18	66.67%	74	6	81.25%	91	10	10	10
	220	109	109	35	34	11.11%	3	8	56.25%	18	3	61.76%	21	10	10	10
	221	294	303	118	106	74.19%	69	25	64.76%	68	13	84.91%	90	8	10	10
	224	229	221	99	94	55.56%	45	18	54.22%	45	16	70.21%	66	9	10	10
2001-09-03	227	208	200	51	46	61.36%	27	7	22.22%	10	6	71.74%	33	10	10	10
	228	212	211	83	79	55.22%	37	16	54.55%	42	6	75.95%	60	4	10	9

SUMMARY

Total # of trains analyzed :	28		
Total # of containers:	990	INVALIDITY	SPEED
Total # of valid containers :	937	Total # of invalid containers C1 :	137
		Total # of invalid containers C2 :	101
		Total # of invalid containers :	53
		Invalidity rate C1 :	13.84%
		Invalidity rate C2 :	10.20%
		Global invalidity rate :	5.35%
			Average min.speed :
			8
			Average max. speed :
			12.3
			Average speed :
			10.8
Total # of code found CAM 1:	524		
Total # of code found CAM 2:	501		
Total # of code found PoM:	729		
# of perfect match code :	639		
% of perfect match code :	87.65%		

PoM	Mean Accuracy/all cont.	73.64%
	Mean Accuracy/valid cont.	77.80%
Cam 1	Mean Accuracy/all cont. C1	52.93%
	Mean Accuracy/valid cont. C1	61.43%
Cam 2	Mean Accuracy/all cont. C2	50.61%
	Mean Accuracy/valid cont. C2	56.36%

By comparing these results (11 train moves) with those obtained for the test period as a whole, DTI deduces that:

- The camera adjustment had a major impact on the results: the overall accuracy for all containers observed is greater (73.6% vs. 70.7%), as is the overall accuracy for the “valid” containers (77.8% vs. 73.9%) → The target threshold of 80% is nearly achieved when conditions are optimal.
- The accuracy obtained on the two cameras for all containers follows the same trend: a slight increase for both camera 1 (52.9% vs. 49.5%) and camera 2 (50.6% vs. 48.6%).

DTI concludes that the adjustment had an important impact on the results obtained during the test period. It confirms that the OCR accuracy obtained by the system depends largely on the state of the site's physical configuration.

Accuracy – target speed interval between 10 and 20 MPH

Table 18 presents the results obtained when trains travel within the speed determined in the Port of Montreal's acceptance criteria, namely 15 mph ± 5. Among the trains observed during the period, only 10 of 24 conformed to this speed criterion.

Table 18 Accuracy rate – speed moves between 10 and 20 mph

DTI TELECOM		Acceptance Tests Form Target Performance (between 10 and 20 mph)															
DATE	MOVE	# IMAGES			# CONT.		CAMERA 1			CAMERA 2			PoM		SPEED (MPH)		
		C1	C2	Tot	Valid	Perf. (%)	#Found	Invalid	Perf. (%)	#Found	Invalid	Perf. (%)	#Found	Min	Max	Average	
2001-08-24	151	39	39	8	8	14.29%	1	1	37.50%	3	0	25.00%	2	14	18	16	
2001-08-25	159	350	328	101	92	53.33%	48	11	46.15%	42	10	69.57%	64	12	19	16	
2001-08-26	164	153	153	46	44	53.66%	22	5	47.62%	20	4	70.45%	31	11	14	13	
	165	330	340	96	95	44.09%	41	3	39.56%	36	5	66.32%	63	12	16	14	
2001-08-31	209	80	80	29	26	58.33%	14	5	68.00%	17	4	84.62%	22	15	16	15	
2001-09-01	216	247	246	85	82	69.23%	54	7	36.36%	28	8	74.39%	61	10	12	12	
	217	297	297	130	126	60.98%	75	7	54.17%	65	10	74.60%	94	10	14	12	
2001-09-02	219	282	282	117	112	64.65%	64	18	66.67%	74	6	81.25%	91	10	10	10	
	220	109	109	35	34	11.11%	3	8	56.25%	18	3	61.76%	21	10	10	10	
2001-09-03	227	208	200	51	46	61.36%	27	7	22.22%	10	6	71.74%	33	10	10	10	

SUMMARY

Total # of trains analyzed : 12

Total # of containers: 698
Total # of valid containers : 665

Total # of code found CAM 1: 349
Total # of code found CAM 2: 313
Total # of code found PoM: 482

of perfect match code : 186
% of perfect match code : 38.59%

INVALIDITY

Total # of invalid containers C : 72
Total # of invalid containers C : 56
Total # of invalid containers : 33

Invalidity rate C1 : 10.32%
Invalidity rate C2 : 8.02%
Global invalidity rate : 4.73%

SPEED

Average min. speed : 11.3
Average max. speed : 13.8
Average speed : 12.6

PoM	Mean Accuracy/all cont.	69.05%
	Mean Accuracy/valid cont.	72.48%
Cam 1	Mean Accuracy/all cont. C1	50.00%
	Mean Accuracy/valid cont. C1	55.75%
Cam 2	Mean Accuracy/all cont. C2	44.84%
	Mean Accuracy/valid cont. C2	48.75%

Despite this, the accuracy obtained is similar to the rate obtained overall (69.1% vs. 70.7%, 72.5% vs. 73.9% for the "valid" containers). Analysis of the results led to the following interpretations:

- The camera accuracy rates are essentially the same (50% vs. 49.5% for camera 1; 44.8% vs. 48.6% for camera 2).
- Since the accuracy rate obtained is between 25% and 84.6%, the constant speed of a move cannot guarantee better results (only 2 out of 10 moves achieved the 80% threshold).

- All these moves except for #217 were observed at night. The activities around Mosaïcultures definitely affected the number of daytime movements observed.
- Only one train exceeded the maximum limit of 20 mph (peak of 21 mph recorded for #181 – the overexposure problem prevented calculation of accuracy for this move).

DTI concludes that speed had little impact on the overall accuracy obtained in the acceptance tests. However, it is important to note that the image grabber limit in relation to the maximum speed of a move was almost reached (22 mph according to the information received from CCTC).

Accuracy above the 80% limit

Table 19 presents the train moves with an optical recognition accuracy level greater than the threshold determined by the Port of Montreal and TDC. To determine the optimal conditions for system configuration required to reach this limit, it is important to establish a correlation between these moves.

Table 19 Accuracy rate – 80% and higher

DATE	MOVE	# IMAGES		# CONT.		CAMERA 1			CAMERA 2			PoM		SPEED (MPH)		
		C1	C2	Tot	Valid	Perf. (%)	#Found	Invalid	Perf. (%)	#Found	Invalid	Perf. (%)	#Found	Min	Max	Average
2001-08-31	208	342	332	122	115	63.96%	71	11	61.82%	68	12	85.22%	98	3	10	9
	209	80	80	29	26	58.33%	14	5	68.00%	17	4	84.62%	22	15	16	15
2001-09-02	219	282	282	117	112	64.65%	64	18	66.67%	74	6	81.25%	91	10	10	10
	221	294	303	118	106	74.19%	69	25	64.76%	68	13	84.91%	90	8	10	10

SUMMARY

Total # of trains analyzed :	4	INVALIDITY		SPEED	
Total # of containers:	386	Total # of invalid containers C1 :	59	Average min. speed :	9
Total # of valid containers :	359	Total # of invalid containers C2 :	35	Average max. speed :	11.5
		Total # of invalid containers :	27	Average speed :	11
Total # of code found CAM 1:	218	Invalidity rate C1 :	15.28%		
Total # of code found CAM 2:	227	Invalidity rate C2 :	9.07%		
Total # of code found PoM:	301	Global invalidity rate :	6.99%		
# of perfect match code :	150				
% of perfect match code :	49.83%				

PoM	Mean Accuracy/all cont.	77.98%
	Mean Accuracy/valid cont.	83.84%
Cam 1	Mean Accuracy/all cont. C1	56.48%
	Mean Accuracy/valid cont. C1	66.67%
Cam 2	Mean Accuracy/all cont. C2	58.81%
	Mean Accuracy/valid cont. C2	64.67%

Only four train moves out of the 24 analyzed reached the critical threshold. All, without exception, occurred after the adjustments to camera 1 by CCTC. Moves #208 and #209 immediately followed these adjustments, while the other two moves were made in the following days.

In verifying all the moves up to this time, DTI noticed that, even though the other moves did not reach the specified threshold, their accuracy rate approached it. DTI also noted that the accuracy rate fell to a lower level during the last few days of the test period. This could be related to the second Solid State Relay (SSR) failure that occurred during these days.

DTI concludes that the accuracy rate is optimal when all the equipment comprising the site's physical configuration is functioning correctly. However, it is important to note that to maintain the optimal positioning of the two cameras many adjustments are required.

Accuracy per container company

One of the questions regarding the accuracy rates recorded concerns the containers. They come from a multitude of different companies spread over almost all of North America. Although the ISO 6346 standard governs the identification of the containers, the companies do not always conform to this recognized standard. Moreover, the general condition of the containers may have a major impact on the optical recognition of these identifiers.

Tables 20 and 21 show the results obtained by company (the first four letters of the code identify a specific company). Table 20 presents the overall results. Table 21 presents a sample of the companies with 20 containers that were observed during this period.

Composition of the container identification code (XXXX 999999 0):

- XXXX = owner company code + equipment category
- 999999 = serial number assigned to the container
- 0 = check digit

Table 20 Accuracy rate for all container companies



Accuracy for all container companies

CODE	# OF CONT.	CAMERA 1					CAMERA 2					PoM				
		Invalid	% Invalid	Code found	Accuracy Valid	Accuracy All	Invalid	% Invalid	Code found	Accuracy Valid	Accuracy All	Invalid	% Invalid	Code found	Accuracy Valid	Accuracy All
ACTU	1	0	0.00%	0	0.00%	0.00%	0	0.00%	0	0.00%	0.00%	0	0.00%	0	0.00%	0.00%
AJCU	1	1	100.00%	0	#DIV/0!	0.00%	0	0.00%	0	0.00%	0.00%	0	0.00%	0	0.00%	0.00%
ALNU	1	0	0.00%	0	0.00%	0.00%	0	0.00%	1	100.00%	100.00%	0	0.00%	1	100.00%	100.00%
APMU	41	2	4.88%	24	61.54%	58.54%	5	12.20%	16	44.44%	39.02%	1	2.44%	30	75.00%	73.17%
BENU	4	0	0.00%	2	50.00%	50.00%	0	0.00%	2	50.00%	50.00%	0	0.00%	3	75.00%	75.00%
BHCU	2	0	0.00%	2	100.00%	100.00%	1	50.00%	1	100.00%	50.00%	0	0.00%	2	100.00%	100.00%
BSLY	2	0	0.00%	0	0.00%	0.00%	0	0.00%	0	0.00%	0.00%	0	0.00%	0	0.00%	0.00%
CACU	1	0	0.00%	1	100.00%	100.00%	0	0.00%	1	100.00%	100.00%	0	0.00%	1	100.00%	100.00%
CAXU	37	18	48.65%	5	26.32%	13.51%	4	10.81%	9	27.27%	24.32%	1	2.70%	14	38.89%	37.84%
CCRU	4	0	0.00%	1	25.00%	25.00%	0	0.00%	1	25.00%	25.00%	0	0.00%	2	50.00%	50.00%
CLHU	43	10	23.26%	20	60.61%	46.51%	10	23.26%	20	60.61%	46.51%	9	20.93%	28	82.35%	65.12%
CLOU	1	0	0.00%	1	100.00%	100.00%	0	0.00%	1	100.00%	100.00%	0	0.00%	1	100.00%	100.00%
CMBU	9	5	55.56%	1	25.00%	11.11%	1	11.11%	2	25.00%	22.22%	1	11.11%	3	37.50%	33.33%
CNGU	14	31	221.43%	0	0.00%	0.00%	12	85.71%	0	0.00%	0.00%	12	85.71%	0	0.00%	0.00%
CPHU	1	0	0.00%	1	100.00%	100.00%	0	0.00%	0	0.00%	0.00%	0	0.00%	1	100.00%	100.00%
CRLU	18	1	5.56%	12	70.59%	66.67%	1	5.56%	12	70.59%	66.67%	0	0.00%	16	88.89%	88.89%
CRXU	18	2	11.11%	8	50.00%	44.44%	3	16.67%	10	66.67%	55.56%	2	11.11%	14	87.50%	77.78%
CTXU	1	0	0.00%	0	0.00%	0.00%	0	0.00%	1	100.00%	100.00%	0	0.00%	1	100.00%	100.00%
DAYU	4	0	0.00%	2	50.00%	50.00%	2	50.00%	2	100.00%	50.00%	0	0.00%	2	50.00%	50.00%
EACU	2	0	0.00%	2	100.00%	100.00%	0	0.00%	1	50.00%	50.00%	0	0.00%	2	100.00%	100.00%
ESU	1	0	0.00%	0	0.00%	0.00%	0	0.00%	1	100.00%	100.00%	0	0.00%	1	100.00%	100.00%
EMCU	2	0	0.00%	1	50.00%	50.00%	1	50.00%	0	0.00%	0.00%	0	0.00%	0	0.00%	0.00%
FBLU	1	0	0.00%	1	100.00%	100.00%	0	0.00%	0	0.00%	0.00%	0	0.00%	1	100.00%	100.00%
FRLU	5	1	20.00%	3	75.00%	60.00%	0	0.00%	5	100.00%	100.00%	0	0.00%	4	80.00%	80.00%
FSCU	7	0	0.00%	5	71.43%	71.43%	0	0.00%	6	85.71%	85.71%	0	0.00%	6	85.71%	85.71%
GAEU	1	0	0.00%	1	100.00%	100.00%	0	0.00%	1	100.00%	100.00%	0	0.00%	1	100.00%	100.00%
GATU	61	2	3.28%	40	67.80%	65.57%	4	6.56%	28	49.12%	45.90%	0	0.00%	44	72.13%	72.13%
GBEU	1	0	0.00%	1	100.00%	100.00%	0	0.00%	0	0.00%	0.00%	0	0.00%	1	100.00%	100.00%
GCEU	6	2	33.33%	3	75.00%	50.00%	0	0.00%	4	66.67%	66.67%	0	0.00%	5	83.33%	83.33%
GESU	12	1	8.33%	5	45.45%	41.67%	0	0.00%	5	41.67%	41.67%	0	0.00%	6	50.00%	50.00%
GLDU	45	3	6.67%	21	50.00%	46.67%	3	6.67%	12	28.57%	26.67%	0	0.00%	36	80.00%	80.00%
GSTU	44	26	59.09%	8	44.44%	18.18%	8	18.18%	12	33.33%	27.27%	6	13.64%	18	47.37%	40.91%
HDLU	3	3	100.00%	0	#DIV/0!	0.00%	0	0.00%	1	33.33%	33.33%	0	0.00%	1	33.33%	33.33%
HLCU	124	23	18.55%	46	45.54%	37.10%	23	18.55%	42	41.58%	33.87%	13	10.48%	70	63.06%	56.45%
HXLU	246	11	4.47%	163	69.36%	66.26%	6	2.44%	148	61.67%	60.16%	4	1.63%	200	82.64%	81.30%
ICSU	7	1	14.29%	4	66.67%	57.14%	1	14.29%	4	66.67%	57.14%	1	14.29%	5	83.33%	71.43%
IEAU	5	0	0.00%	3	60.00%	60.00%	0	0.00%	2	40.00%	40.00%	0	0.00%	4	80.00%	80.00%
INBU	36	8	22.22%	11	39.29%	30.56%	7	19.44%	18	62.07%	50.00%	4	11.11%	22	68.75%	61.11%
INKU	17	3	17.65%	7	50.00%	41.18%	4	23.53%	8	61.54%	47.06%	2	11.76%	11	73.33%	64.71%
ITLU	9	0	0.00%	5	55.56%	55.56%	1	11.11%	4	50.00%	44.44%	0	0.00%	6	66.67%	66.67%
KNLU	75	10	13.33%	36	55.38%	48.00%	6	8.00%	33	47.83%	44.00%	2	2.67%	59	80.82%	78.67%
MAEU	264	21	7.95%	133	54.73%	50.38%	17	6.44%	106	42.91%	40.15%	5	1.89%	195	75.29%	73.86%
MCAU	1	0	0.00%	0	0.00%	0.00%	0	0.00%	1	100.00%	100.00%	0	0.00%	1	100.00%	100.00%
MHHU	2	0	0.00%	0	0.00%	0.00%	0	0.00%	1	50.00%	50.00%	0	0.00%	0	0.00%	0.00%
MLCU	11	1	9.09%	4	40.00%	36.36%	0	0.00%	6	54.55%	54.55%	0	0.00%	6	54.55%	54.55%
MMMU	1	0	0.00%	1	100.00%	100.00%	0	0.00%	0	0.00%	0.00%	0	0.00%	1	100.00%	100.00%
MSAU	4	0	0.00%	2	50.00%	50.00%	0	0.00%	1	25.00%	25.00%	0	0.00%	1	25.00%	25.00%
MSKU	115	3	2.61%	84	75.00%	73.04%	3	2.61%	66	58.93%	57.39%	0	0.00%	89	77.39%	77.39%
MWCU	33	2	6.06%	11	35.48%	33.33%	0	0.00%	15	45.45%	45.45%	0	0.00%	18	54.55%	54.55%
NDLU	6	0	0.00%	1	16.67%	16.67%	0	0.00%	1	16.67%	16.67%	0	0.00%	1	16.67%	16.67%
NUKU	3	0	0.00%	1	33.33%	33.33%	0	0.00%	0	0.00%	0.00%	0	0.00%	1	33.33%	33.33%
NYKU	29	1	3.45%	6	21.43%	20.69%	2	6.90%	8	29.63%	27.59%	1	3.45%	13	46.43%	44.83%
OCLU	50	7	14.00%	24	55.81%	48.00%	6	12.00%	22	50.00%	44.00%	2	4.00%	31	64.58%	62.00%
OOLU	29	1	3.45%	17	60.71%	58.62%	1	3.45%	13	46.43%	44.83%	0	0.00%	20	68.97%	68.97%
PCVU	1	0	0.00%	1	100.00%	100.00%	0	0.00%	0	0.00%	0.00%	0	0.00%	1	100.00%	100.00%
POCU	84	6	7.14%	46	58.97%	54.76%	4	4.76%	47	58.75%	55.95%	1	1.19%	66	79.52%	78.57%
PONU	198	7	3.54%	128	67.02%	64.65%	6	3.03%	131	68.23%	66.16%	0	0.00%	165	83.33%	83.33%
PRSU	7	0	0.00%	3	42.86%	42.86%	0	0.00%	1	14.29%	14.29%	0	0.00%	4	57.14%	57.14%
REDU	1	0	0.00%	0	0.00%	0.00%	0	0.00%	1	100.00%	100.00%	0	0.00%	1	100.00%	100.00%
RMCU	1	0	0.00%	0	0.00%	0.00%	0	0.00%	0	0.00%	0.00%	0	0.00%	0	0.00%	0.00%
SAMU	16	5	31.25%	3	27.27%	18.75%	3	18.75%	5	38.46%	31.25%	2	12.50%	8	57.14%	50.00%

Table 20 (cont'd)



Accuracy for all container companies

CODE	# OF CONT.	CAMERA 1						CAMERA 2						PoM		
		Invalid	% Invalid	Code found	Accuracy Valid	Accuracy All	Invalid	% Invalid	Code found	Accuracy Valid	Accuracy All	Invalid	% Invalid	Code found	Accuracy Valid	Accuracy All
SCMU	26	1	3.85%	14	56.00%	53.85%	0	0.00%	12	46.15%	46.15%	0	0.00%	21	80.77%	80.77%
SCZU	8	0	0.00%	5	62.50%	62.50%	0	0.00%	5	62.50%	62.50%	0	0.00%	7	87.50%	87.50%
SEAU	148	10	6.76%	58	42.03%	39.19%	10	6.76%	83	60.14%	56.08%	0	0.00%	111	75.00%	75.00%
SIPU	1	0	0.00%	0	0.00%	0.00%	0	0.00%	1	100.00%	100.00%	0	0.00%	1	100.00%	100.00%
SNIU	3	0	0.00%	2	66.67%	66.67%	0	0.00%	1	33.33%	33.33%	0	0.00%	2	66.67%	66.67%
TEXU	38	4	10.53%	20	58.82%	52.63%	6	15.79%	20	62.50%	52.63%	3	7.89%	29	82.86%	76.32%
TGHU	16	2	12.50%	5	35.71%	31.25%	1	6.25%	8	53.33%	50.00%	1	6.25%	10	66.67%	62.50%
TOLU	11	3	27.27%	3	37.50%	27.27%	4	36.36%	4	57.14%	36.36%	3	27.27%	5	62.50%	45.45%
TOPU	2	1	50.00%	0	0.00%	0.00%	1	50.00%	1	100.00%	50.00%	1	50.00%	1	100.00%	50.00%
TPHU	12	0	0.00%	8	66.67%	66.67%	0	0.00%	7	58.33%	58.33%	0	0.00%	10	83.33%	83.33%
TPXU	1	0	0.00%	0	0.00%	0.00%	0	0.00%	1	100.00%	100.00%	0	0.00%	1	100.00%	100.00%
TRIU	70	8	11.43%	35	56.45%	50.00%	9	12.86%	34	55.74%	48.57%	3	4.29%	48	71.64%	68.57%
TRLU	44	2	4.55%	26	61.90%	59.09%	2	4.55%	29	69.05%	65.91%	0	0.00%	35	79.55%	79.55%
TTNU	110	24	21.82%	14	16.28%	12.73%	2	1.82%	32	29.63%	29.09%	2	1.82%	69	63.89%	62.73%
UESU	1	0	0.00%	0	0.00%	0.00%	0	0.00%	1	100.00%	100.00%	0	0.00%	1	100.00%	100.00%
UXXU	11	2	18.18%	6	66.67%	54.55%	1	9.09%	5	50.00%	45.45%	0	0.00%	9	81.82%	81.82%
YMLU	1	0	0.00%	1	100.00%	100.00%	0	0.00%	0	0.00%	0.00%	0	0.00%	1	100.00%	100.00%
ZCSU	1	0	0.00%	1	100.00%	100.00%	0	0.00%	0	0.00%	0.00%	0	0.00%	1	100.00%	100.00%

Table 21 Accuracy rate for companies with most containers

DTI
TELECOM

Accuracy per company

CODE	# OF CONT.	CAMERA 1					CAMERA 2					PoM				
		Invalid	% Invalid	Code found	Accuracy Valid	Accuracy All	Invalid	% Invalid	Code found	Accuracy Valid	Accuracy All	Invalid	% Invalid	Code found	Accuracy Valid	Accuracy All
APMU	41	2	4.88%	24	61.54%	58.54%	5	12.20%	16	44.44%	39.02%	1	2.44%	30	75.00%	73.17%
CAXU	37	18	48.65%	5	26.32%	13.51%	4	10.81%	9	27.27%	24.32%	1	2.70%	14	38.89%	37.84%
CLHU	43	10	23.26%	20	60.61%	46.51%	10	23.26%	20	60.61%	46.51%	9	20.93%	28	82.35%	65.12%
GATU	61	2	3.28%	40	67.80%	65.57%	4	6.56%	28	49.12%	45.90%	0	0.00%	44	72.13%	72.13%
GLDU	45	3	6.67%	21	50.00%	46.67%	3	6.67%	12	28.57%	26.67%	0	0.00%	36	80.00%	80.00%
GSTU	44	26	59.09%	8	44.44%	18.18%	8	18.18%	12	33.33%	27.27%	6	13.64%	18	47.37%	40.91%
HLCU	124	23	18.55%	46	45.54%	37.10%	23	18.55%	42	41.58%	33.87%	13	10.48%	70	63.06%	56.45%
HLXU	246	11	4.47%	163	69.36%	66.26%	6	2.44%	148	61.67%	60.16%	4	1.63%	200	82.64%	81.30%
INBU	36	8	22.22%	11	39.29%	30.56%	7	19.44%	18	62.07%	50.00%	4	11.11%	22	68.75%	61.11%
KNLU	75	10	13.33%	36	55.38%	48.00%	6	8.00%	33	47.83%	44.00%	2	2.67%	59	80.82%	78.67%
MAEU	264	21	7.95%	133	54.73%	50.38%	17	6.44%	106	42.91%	40.15%	5	1.89%	195	75.29%	73.86%
MSKU	115	3	2.61%	84	75.00%	73.04%	3	2.61%	66	58.93%	57.39%	0	0.00%	89	77.39%	77.39%
MWCU	33	2	6.06%	11	35.48%	33.33%	0	0.00%	15	45.45%	45.45%	0	0.00%	18	54.55%	54.55%
NYKU	29	1	3.45%	6	21.43%	20.69%	2	6.90%	8	29.63%	27.59%	1	3.45%	13	46.43%	44.83%
OCLU	50	7	14.00%	24	55.81%	48.00%	6	12.00%	22	50.00%	44.00%	2	4.00%	31	64.58%	62.00%
OOLU	29	1	3.45%	17	60.71%	58.62%	1	3.45%	13	46.43%	44.83%	0	0.00%	20	68.97%	68.97%
POCU	84	6	7.14%	46	58.97%	54.76%	4	4.76%	47	58.75%	55.95%	1	1.19%	66	79.52%	78.57%
PONU	198	7	3.54%	128	67.02%	64.65%	6	3.03%	131	68.23%	66.16%	0	0.00%	165	83.33%	83.33%
SCMU	26	1	3.85%	14	56.00%	53.85%	0	0.00%	12	46.15%	46.15%	0	0.00%	21	80.77%	80.77%
SEAU	148	10	6.76%	58	42.03%	39.19%	10	6.76%	83	60.14%	56.08%	0	0.00%	111	75.00%	75.00%
TEXU	38	4	10.53%	20	58.82%	52.63%	6	15.79%	20	62.50%	52.63%	3	7.89%	29	82.86%	76.32%
TRIU	70	8	11.43%	35	56.45%	50.00%	9	12.86%	34	55.74%	48.57%	3	4.29%	48	71.64%	68.57%
TRLU	44	2	4.55%	26	61.90%	59.09%	2	4.55%	29	69.05%	65.91%	0	0.00%	35	79.55%	79.55%
TTNU	110	24	21.82%	14	16.28%	12.73%	2	1.82%	32	29.63%	29.09%	2	1.82%	69	63.89%	62.73%

SUMMARY

CAMERA 1		CAMERA 2		PoM	
% of invalidity	12.98%	% of invalidity	8.63%	% of invalidity	3.76%
Accuracy / Valid cont.	51.71%	Accuracy / Valid cont.	49.17%	Accuracy / Valid cont.	70.62%
Accuracy / All cont.	45.91%	Accuracy / All cont.	44.90%	Accuracy / All cont.	68.05%

The following interpretations concerning the companies with the most containers are derived from the above results:

- Nearly 3.8% of these containers cannot be identified by the two (2) cameras.
- The accuracy obtained for these containers is similar to the overall accuracy obtained. The same observation applies for the accuracy obtained by each camera.
- Four container companies achieved the accuracy level with difficulty. The maximum percentage obtained was 83.3%.

DTI concludes that the accuracy rate obtained is an overall result for all companies and not based on the poor performance of a few.

6 RECOMMENDATIONS

6.1 Equipment and Infrastructure

The physical installation requires replacement and upgrading of equipment, cameras, lenses, and lights (illumination, reference, and adjustment), as well as modifications to solid state relays, breakers, and wiring. In addition, electrical components need to be replaced and wheel detectors repositioned. The AEI/OCR system located in the site bungalow should be equipped with an alarm and monitoring system to alert the operators of equipment malfunction.

6.1.1 Cameras

Since the cameras are a crucial component of the AEI/OCR system, the quality of the train images they capture has a major impact on the optical recognition accuracy provided by the OCR component. Table 22 summarizes the percentages obtained during the test period for each camera's yield.

Table 22 Statistics per camera side

Situation	CAMERA 1		CAMERA 2	
	All cont. (%)	Valid cont. (%)	All cont. (%)	Valid cont. (%)
Overall OCR accuracy	49.5	55.7	48.6	53.0
Accuracy – day	50.7	56.5	48.2	52.8
Accuracy – evening / night	49.2	55.5	48.6	53.1
Accuracy after August 30, 2001	52.9	61.4	50.6	56.4
Accuracy – speed between 10 and 20 mph	50.0	55.8	44.8	48.8
Accuracy – threshold achieved (80%)	56.5	66.7	58.8	64.7
Accuracy – most frequent container companies	45.9	51.7	44.9	49.2

In general, the accuracy obtained with camera 1 is slightly greater than for camera 2. Several factors may influence these results: the different lenses used on each camera, the housing and camera fastening mechanism, and the pods and poles on which the cameras are installed.

Cameras and lenses

Two EG&G LC3000 1024-pixel cameras are currently used, though each has a different lens and associate controller. Camera 1 has an external controller (lens model V15-90AC, serial number 1308, lens controller serial number 0078). Figure 7 presents the inside of the housing where this equipment is installed.

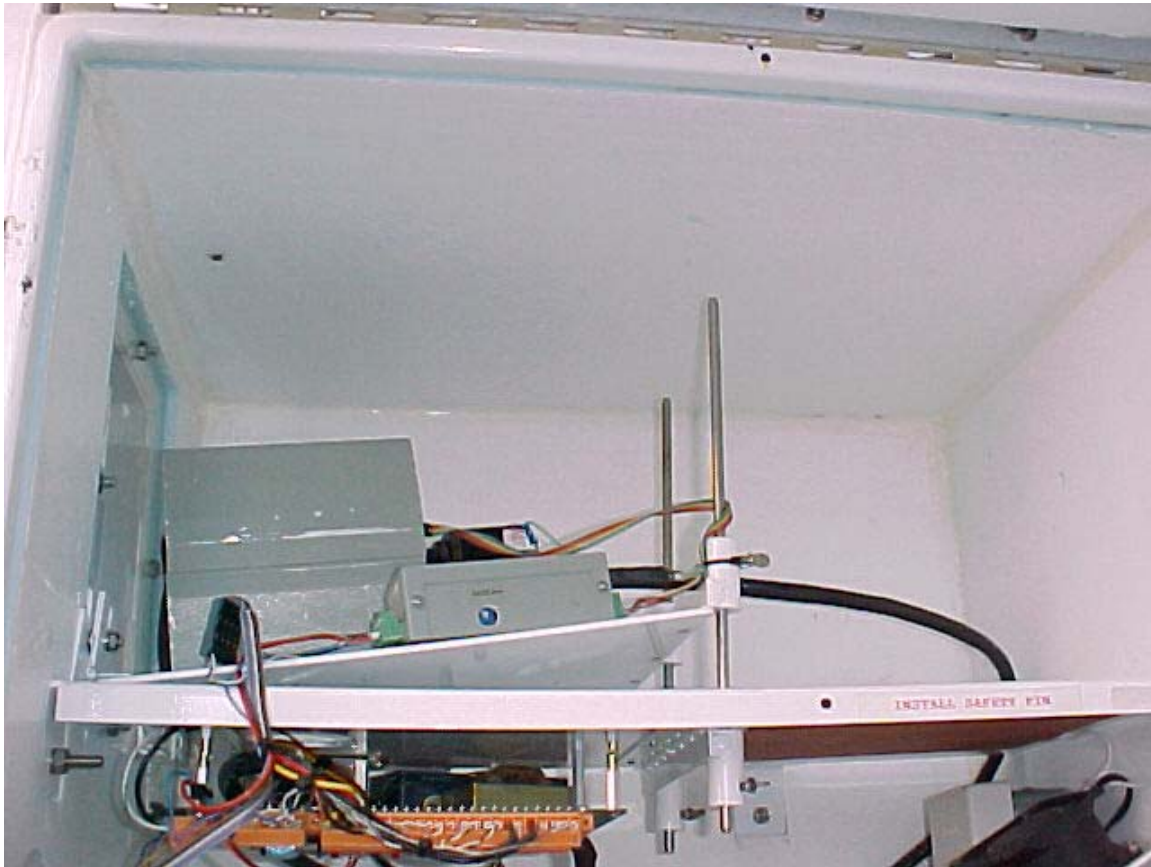


Figure 7 Camera 1

The lens used by camera 2 differs from that of camera 1. It is made by another company. This camera lens is made by Burle, model TC1843, serial number B12ZCME-5, and it has an integral lens controller. Figure 8 shows the inside of the housing in which this camera is installed.

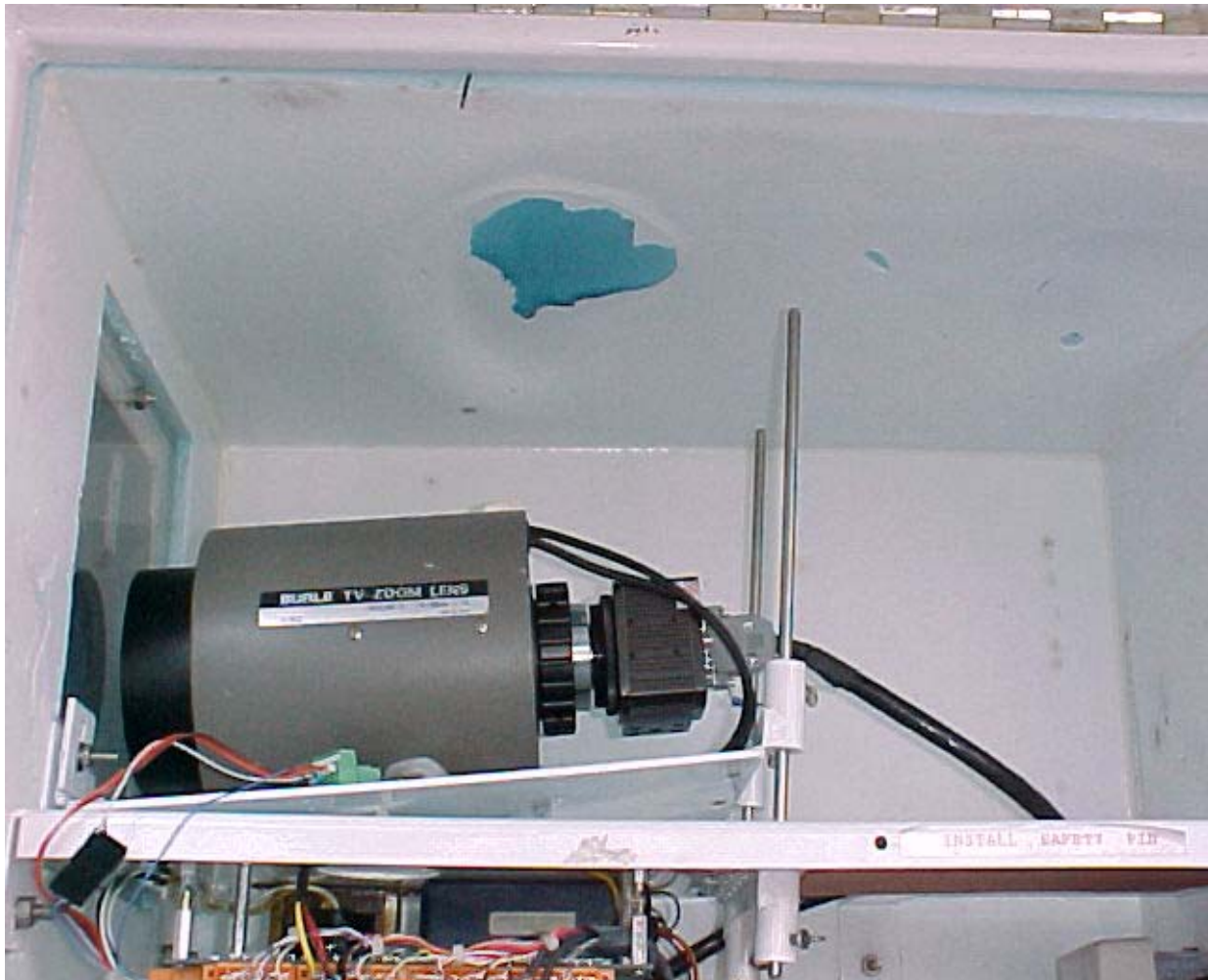


Figure 8 Camera 2

The camera currently uses 16 mm lenses which are very difficult to find on the market. According to CCTC, these lenses could be replaced eventually by 25 mm lenses because of the latter's better availability on the market. The selection of the replacement lenses will require a more thorough study, since they must conform to the same specifications as the ones being replaced (i.e., 1024 pixels 1").

Housing and fastening mechanism

Physically, each camera is installed in a housing fastened to a pole. Inside the housing, the camera is installed on a metal plate and fastened with an adjustable device (see Figure 9).

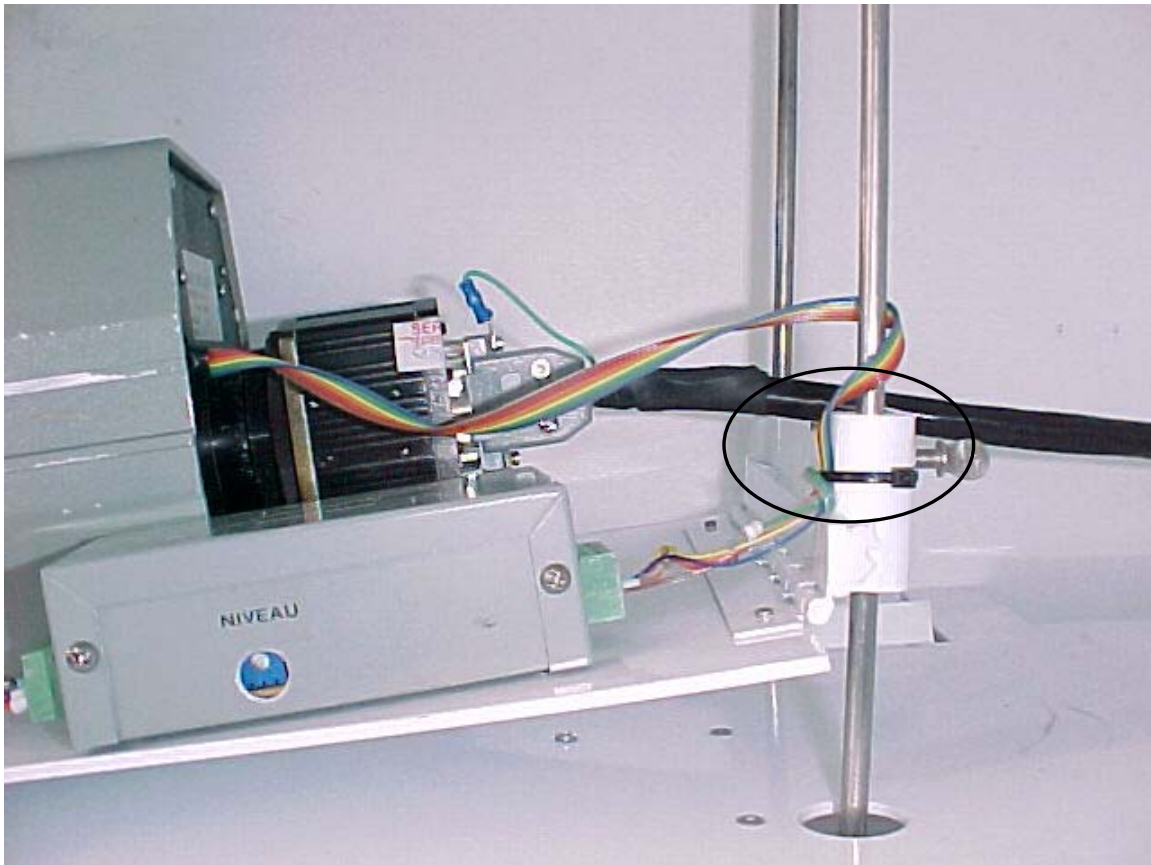


Figure 9 Fastening mechanism

Regarding the camera fastening mechanisms, DTI noted that the fastening screws and the slides are not secure enough. During the test period, one of these screws came completely loose because of the vibration generated by passing trains. This problem will therefore have to be corrected.

Figure 10 shows the inside of the bottom part of the camera housing and the equipment it contains.

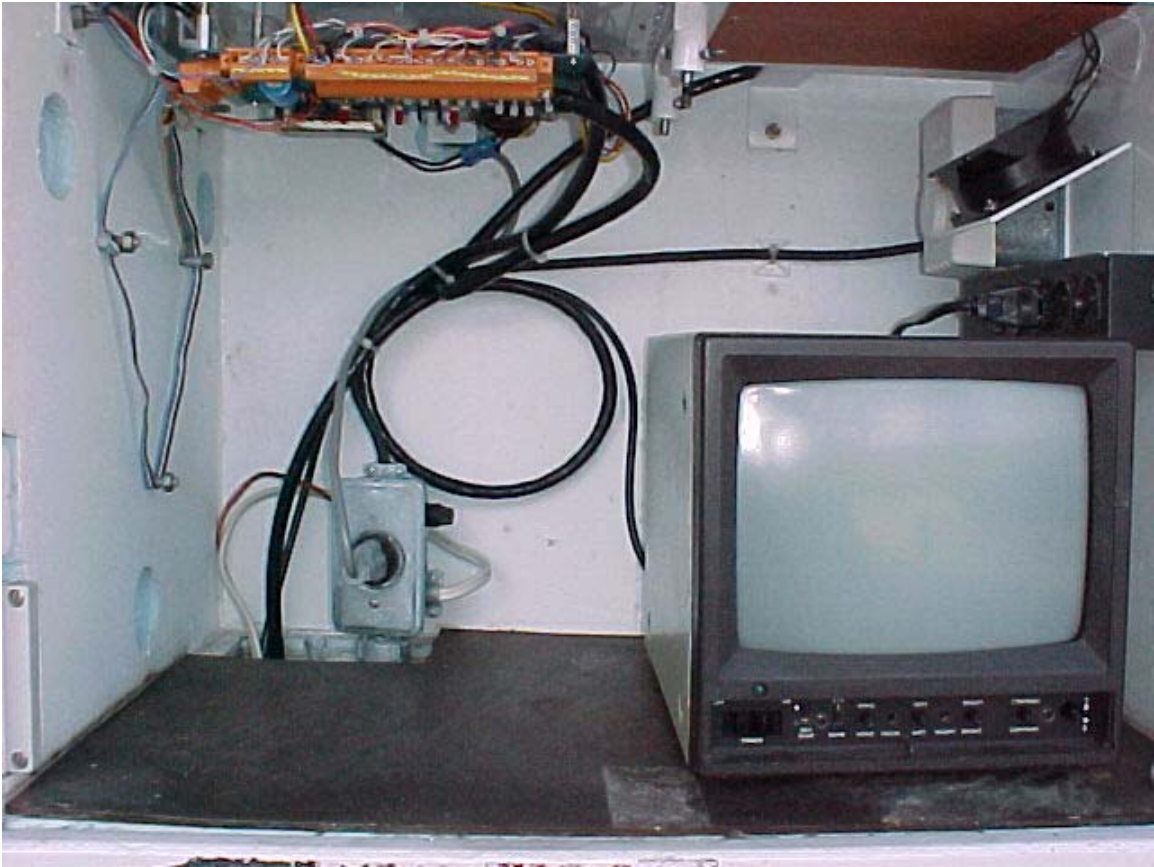


Figure 10 Camera housing – bottom part

Poles

Many of the problems related to camera alignment are the result of movement and vibrations. One of the issues raised by CCTC is that the poles move. DTI, however, did not observe such movement. Figures 11 to 13 show no cracks at the base of these poles, which are anchored in concrete.



Figure 11 Pole – view #1



Figure 12 Pole – view #2



Figure 13 Pole – view #3

However, because the poles are very high, a movement at the top of the poles is possible. Several factors could cause this movement. First, since the site is on the waterfront, it is particularly exposed to strong winds. Second, passing trains cause vibrations – the larger the train, the greater the vibration. Finally, over time, a slight, perceptible shifting of the equipment could occur.

This movement causes the post to vibrate, which automatically displaces the camera pod. The camera eventually becomes misaligned and ends up in the wrong axis. The movement of the housings can also result in loosening the fastening mechanism.

DTI concludes that these installations require a complete overhaul to correct these deficiencies.

6.1.2 Lighting systems

The AEI/OCR system uses three types of lights:

- ◆ Spotlights: a series of 13 lights located on each side of the rails to light the train. These lights provide uniform illumination for the cameras to capture images.
- ◆ OCR reference lights: two lights on each side of the track that are used to segment the container groups during OCR processing. These lights must be aligned in the axis of the camera used for the OCR program to detect the presence of a container and to detect the beginning and end of discrete images.
- ◆ Calibration lights: one light on each side, also located in the camera axis below the camera image. These lights are used as a calibration target to control the gain of the camera on the opposite side, as well as to detect the ambient luminosity allowing images of constant clarity to be obtained by day and in the evening.

All lights are key components for the efficient operation of the AEI/OCR system.

DTI observed that the lighting systems have several weaknesses. Given that CCTC came once a week during the tests to adjust certain lights, changes should be made to the current configuration so that it is more reliable and requires fewer regular adjustments.

Spotlights

Two posts are installed at a specific distance from the rails. Each post holds two series of six spotlights and one additional spotlight below. Each light is important because each is responsible for a portion of the image. The failure of a single light can prevent exact recognition of the container code.

Figures 14 and 15 show the series of lights installed on each side of the track.



Figure 14 Light systems – view from camera 1 side

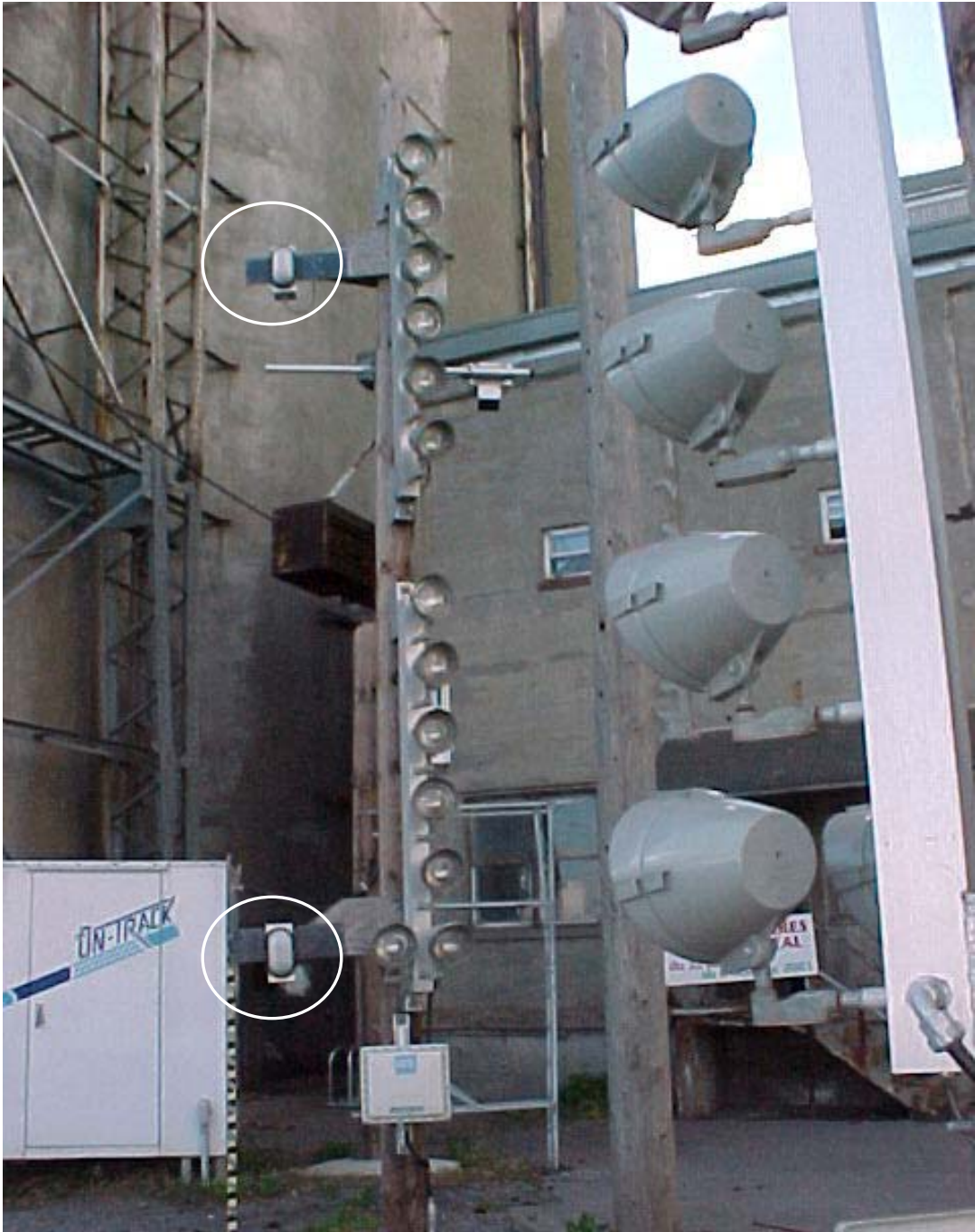


Figure 15 Light systems – view from camera 2 side

DTI noted that the system's spotlights are not fastened securely to their supports. As Figures 16 and 17 clearly show, they can be displaced very easily, thus becoming non-functional.



Figure 16 Spotlights (in position)



Figure 17 Spotlights (displaced)

A better adjustment and anchoring system could be used for these lights. DTI recommends that an alternative be considered, because the current arrangement is unreliable. The quality of this lighting has a direct influence on the quality of the images and the rate of character recognition by the OCR system.

OCR reference lights

These lights were added after initial installation, to help the OCR system detect the presence of containers and the beginning and end of discrete images. There are two lights on each side of the rails, positioned in the camera axis. One light is at the bottom, one at the top; one detects the presence of containers on a platform, the other detects superimposed containers. These lights are circled in Figure 14.

On the images, these lights look like two continuous white lines when there is only an empty platform. To ensure the OCR system's performance, none of these lights should be burned out and all must be in the line of the camera axis.

Although these lights are securely fastened, they are small. The lights are 4½ inches wide and should be well centered to ensure the OCR system's maximum performance. DTI believes that a new method of identifying the beginning and end of a container should be considered, or that the dimensions and efficiency of these lights should be increased.

Observation showed that the reference beam alignment is crucial for the OCR engine. If the reference lights do not function properly the container segmentation process is impaired. The definitive solution is to implement light beams to help segment the groups of containers. This would also eliminate any difference in processing between night trains and day trains.

Calibration lights

A calibration light is positioned on the pole above the line scan cameras at the top of the image camera located on each side of the rails. These lights are used to align the camera to ensure that the reference lighting for the lens is constant. These lights must also be well centered in line with the camera axes. The window is not very big and this light has an enormous impact on the clarity of the images captured. The light is circled in Figure 15.

The perfect alignment of the calibration lights is very difficult to achieve and seems to be more problematic for camera 1 because of the sky background on the image when the camera is adjusted.

Only one rheostat (or dimmer) is used to adjust the brightness of these lights. One rheostat per light would be desirable. This is an efficient mechanism when the overall structure is stable. But in the current installation the camera often loses the focus of this light.

DTI recommends the development, with CCTC, of a more efficient/reliable solution.

Conclusion

DTI concludes that a complete review of all the lighting system components and their functions is necessary. Complaints from locomotive engineers with regard to the brightness of the spotlights also need to be addressed.

6.1.3 Electrical installations

The AEI/OCR system and associated electrical circuit includes several troublesome electric components. Those that drew attention during the acceptance tests – the Solid State Relays (SSRs) and the breakers – are described in this section.

. Solid State Relays (SSRs)

Additions were made to the electrical installation as the system was developed at the Port of Montreal and as tests were conducted by INO and CCTC.

The first problem arose with an SSR. During the light adjustments on August 27, a fault (Light POD 1) resulted in the lights controlled by this SSR to always stay ON. CCTC transferred the connections of this SSR to another existing one, hoping to correct the problem until a replacement was installed (foreseen for the following morning). Two days later, CCTC came to replace the faulty 25A SSR with a 45A SSR. In the meantime, the interim SSR's breaker was overloaded and switched to the OFF position while a train over 150 feet long was passing. This switched off certain spotlights, including the two lights serving to adjust the camera lens opening, which explains the overexposed images on these two days.

The new standard established by CCTC concerning SSRs is the installation of SSR 45A instead of 25A. The replacement of all 25A SSRs with 45A SSRs before the next use should be considered. During the test period, two SSR failures were observed. The current installation includes two 45A SSRs and six 25A SSRs, including one defective SSR (Light POD 4). Improvements are necessary before use on a regular operating basis.

Breakers

The distribution of lights on each breaker is not optimal. When one of them is OFF because of overload, the cameras and/or OCR interpretation are often affected.

Table 23 presents a summary of the current situation.

Table 23 Breakers (current situation)

Breaker Number	Actual Situation
1-3	<ul style="list-style-type: none"> ◆ Bottom spotlights – Camera 1 ◆ OCR reference lights– Camera 2
2-4	<ul style="list-style-type: none"> ◆ Bottom spotlights – Camera 2 ◆ OCR reference lights – Camera 1
5-7	<ul style="list-style-type: none"> ◆ Top spotlights – Camera 2 ◆ Calibration lights – Cameras 1 and 2
6-8	<ul style="list-style-type: none"> ◆ Top spotlights – Camera 1

It is important to note that the spotlights illuminating containers on the camera 2 side are not top and bottom but mixed on both sets of breakers. In case of a defect, the entire image is affected. As noted, the image processing of the two cameras is often affected during a failure. This situation is far from ideal in a real operating environment.

Table 24 suggests a more balanced distribution of the breakers.

Table 24 Breakers (proposed distribution)

Breaker Number	Recommended Situation
1-3	<ul style="list-style-type: none"> ◆ 7 bottom spotlights - Camera 1 ◆ Bottom OCR reference light– Camera 1
2-4	<ul style="list-style-type: none"> ◆ 7 bottom spotlights – Camera 2 ◆ Bottom OCR reference light – Camera 2
5-7	<ul style="list-style-type: none"> ◆ 6 top spotlights – Camera 2 ◆ Top OCR reference light – Camera 2
6-8	<ul style="list-style-type: none"> ◆ 6 top spotlights – Camera 1 ◆ Top OCR reference light – Camera 1
X	<ul style="list-style-type: none"> ◆ Calibration lights – Cameras 1 and 2

A malfunction of any breaker can have a major impact on image capture. A better electric configuration for lights and spotlights is required. The addition of a breaker is suggested to isolate the reference lights used for camera luminosity.

It is essential that the SSRs follow an appropriate connection logic. Table 25 gives an example for the camera 1 side:

Table 25 SSR distribution – example camera 1

Breaker Number	SSR	Recommended Situation
1-3	◆ 1	◆ 4 spotlights from the ground - Camera 1
	◆ 2	◆ 3 other spotlights - Camera 1 + Bottom OCR reference light – Camera 1
6-8	◆ 7	◆ 3 spotlights from the ground – Camera 1
	◆ 8	◆ 3 other spotlights – Camera 1 + Top OCR reference light – Camera 1
X	◆ 9	◆ Calibration light – Camera 1

Currently a minor failure can prevent the OCR application from operating properly and, in certain cases, from producing any results at all, as was observed during the acceptance tests. The suggested changes should reduce the impact of a minor failure of an electrical circuit component on the OCR system.

6.1.4 Motion/speed detection system

The wheel and speed detection sensors installed on the site have two main functions: to detect passing trains (the two sensors at the ends) and to detect train speed and direction (the central sensor). The cameras adjust their image capture based on the calculated speed. If the sensor responsible for calculating the speed is broken, there is a risk that the cameras will capture blurred or even distorted images.

Figures 18 to 22 show the location of each sensor installed on the site.



Figure 18 Westbound wheel sensor



Figure 19 Close-up of the wheel sensor with protective bar



Figure 20 Speed sensor with damaged housing



Figure 21 Eastbound wheel sensor

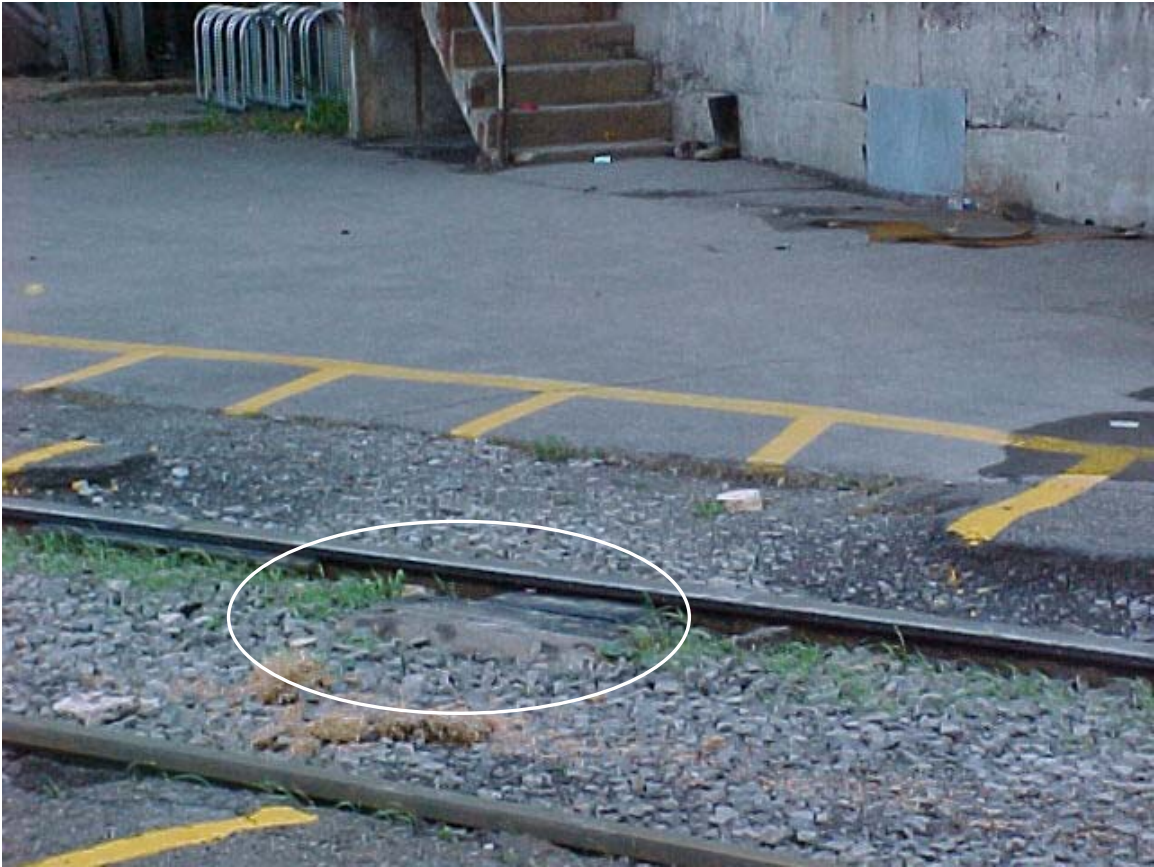


Figure 22 Eastbound wheel sensor located near Mosaïcultures coordinating centre



Figure 23 Location where the eastbound wheel sensor should have been installed

In principle, the two train presence sensors should have been installed equidistant from the speed sensor, which is not the case. The westbound sensor was installed 1,050 inches from the speed sensor while the eastbound sensor was installed closer (458 inches). DTI believes that this was done to avoid the risk of damage from passing vehicles, but the problem occurred nonetheless. Since the Mosaïcultures exhibition was being held nearby, its employees were driving on the site with 4x4 vehicles, most of the time in the area where the sensor is located.

The sensor housings were protected by protective bars, but DTI observed that the sensors were damaged anyway, probably by the 4x4 vehicles frequently driving over the eastbound sensor.

DTI noted that these sensors are very sensitive. Fourteen invalid trains were detected during the two weeks of acceptance tests, representing 12.39% of all moves detected. Since the sensors detect metal, the movement of the 4x4 vehicles could generate invalid move detection.

Also, mere contact with steel-toed work boots can cause invalid detection. On a few occasions, DTI provoked invalid moves with a metal bar. This matter should be studied more thoroughly.

6.1.5 Bungalow

The size of the bungalow on the site is relatively small for the equipment it contains. It houses two racks, on which six computers, two screens, and a few keyboards and mouse units are installed (see Figure 24). The bungalow also contains some electrical panels.



Figure 24 Bungalow – front view

It is difficult for two people to enter the bungalow simultaneously. Access to the equipment in the rear is very limited and the equipment is difficult to work on. During site visits, the door was left open constantly to obtain more space. Thus there is a risk of weather damage to the installed equipment.

DTI recommends installation of a bigger bungalow to provide adequate workspace and easier access to the equipment. According to CCTC, bigger bungalows are available.

6.1.6 Computer equipment

The AEI/OCR system includes a total of six computers, which interact together. Following the improvements made by DTI, the two CoRAIL computers (2 and 3) now run on Microsoft Windows 2000 Pro. The other four computers are not powerful enough to accommodate a Windows 2000 Pro operating system. They therefore run on MS Windows 98.

Table 26 outlines the current and proposed operating systems.

Table 26 Computer configuration – operating system (OS)

Computer	Current OS	Recommended OS
LICO1	MS Windows 98	MS Windows 2000 Pro
LICO2	MS Windows 98	MS Windows 2000 Pro
CoRAIL2	MS Windows 2000 Pro	MS Windows 2000 Pro
CoRAIL3	MS Windows 2000 Pro	MS Windows 2000 Pro
AEI	MS Windows 98	MS Windows 2000 Pro
INFORMATIQUE	MS Windows 98	----

It will not be necessary to change the operating system of the AEI site computer because DTI recommends the elimination of this platform (see Section 6.2.6). It would be desirable to migrate the AEI, LICO1, and LICO2 programs to a Microsoft Windows 2000 Pro operating system to increase the system’s stability and ensure compatibility among the five computers,

This necessarily involves changing four of the current system’s computers. The minimum hardware configuration to run a computer on MS Windows 2000 Pro requires a Pentium III processor at 450 MHz, 128 MB of RAM, and a 4 GB hard drive.

Switch boxes

The six computers are connected to two keyboard-screen switch boxes, which each control one screen and one keyboard. The computers are divided as follows: on one side are the CoRAIL units on one switch box; on the other are the LICO units and the AEI, all connected to another switch box. The INFORMATIQUE computer has its own keyboard but operates with the screen on the switch box. Table 27 and Figure 25 describe the current configuration.

Table 27 Current configuration of the switch boxes

SWITCH 1		SWITCH 2	
A	CoRAIL3	A	LICO1
B	CoRAIL2	B	LICO2
C	Informatique	C	AEI
D	EMPTY	D	EMPTY

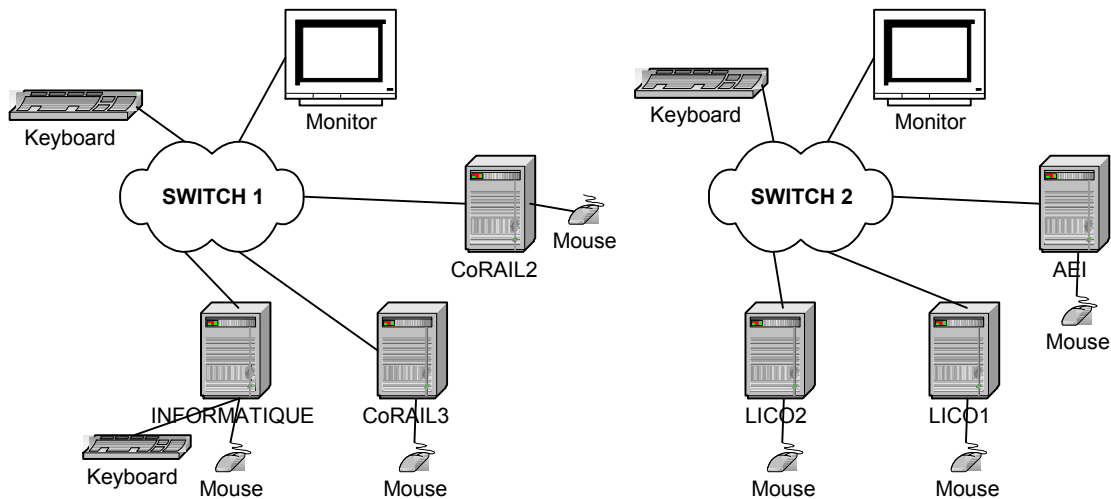


Figure 25 Switch boxes – distribution plan

DTI noted two problems with the existing switch boxes. First, the mouse of each computer is not connected to them. This means that three mouse units are on each rack, which causes confusion. Second, the switch boxes are manual, which means that when a computer is rebooted, the switch box must be positioned on this computer, otherwise the keyboard will not be detected automatically. The ideal configuration would be as follows: one automatic switch box for each rack, to which the following components would be connected: one screen, one keyboard, and one mouse for each of the three computers that would use the switch box. Table 28 and Figure 26 outline this configuration. Space would then be freed and management of the computers would be simplified. To allow this configuration, the purchase of two new automatic switch boxes is recommended. As a suggestion, StarTech (www.startech.com) offers an automatic switch box model that allows connection of up to four computers, one screen, one keyboard, and one mouse. The documentation for switch model SV401, which sells for under \$200, can be found in Appendix A.

Table 28 Proposed switch configuration

SWITCH 1		SWITCH 2	
1	CoRAIL2	1	AEI
2	CoRAIL3	2	LICO1
3	EMPTY	3	LICO2
4	EMPTY	4	EMPTY

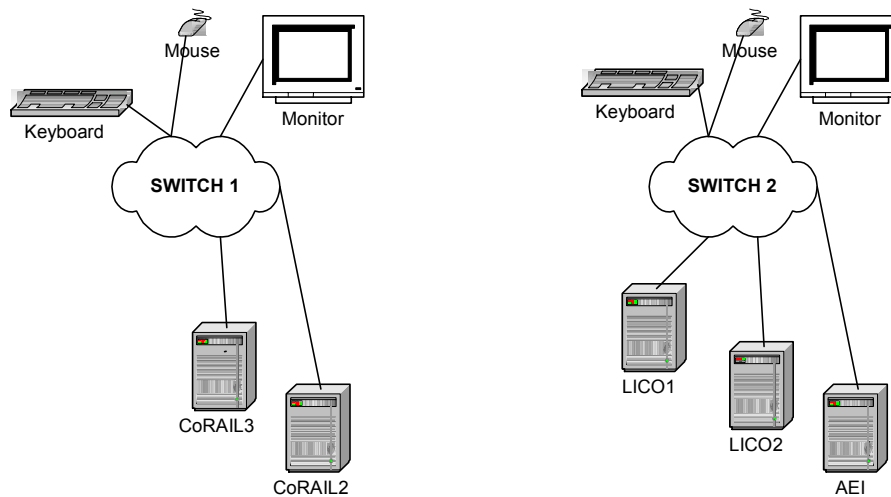


Figure 26 Automatic switch boxes – proposed distribution

Screens

The acceptance tests indicated that the screen resolutions were unstable. Changing one computer for another on the switch box would improve the resolution. DTI recommends the purchase of two 15-inch screens with a minimum resolution of 1024 x 768 pixels.

Cables

DTI observed that the cables in the bungalow, which are also part of the computer hardware, are tangled, which makes it complicated to disconnect and reconnect computers. DTI recommends that the cabling be laid out and attached in a more orderly manner.

Conclusion

DTI considers that several points will have to be reviewed before proceeding with installation of an operational system.

6.1.7 Communication equipment

This section deals with the components of the system's local area network (LAN), since it was not connected to a wide area network (WAN). The network consists of ten 100 Mbps network cards in each computer, a 10/100 Mbps switch, and 100 Mbps cables connecting the network cards to the switch.

Network cards

Each computer has a network card. The two LICOs and the two CoRAILs have a 3COM network card. The AEI computer has an Allied Telesyn network card, which is from the same manufacturer as the network switch, to allow communication among all of the computers.

The link with the Port of Montreal was established by a telephone link between the Port of Montreal's computer (INFORMATIQUE) located in the bungalow near Elevator 5 and the AS/400 located on the Port of Montreal's premises.

The 3COM 10/100 Mbps network cards are very efficient and allowed a mass data transfer rate four times faster than the November 2000 configuration. These results were obtained in CCTC and DTI's lab during preliminary network tests and the details are included in a test report by Mr. Yves Plasse and Mr. Pierre Pageau of CCTC - ADT in September 2001 (*AEI/OCR, Port of Montreal System, Network Testing*).

Cables

The communication cables between the network switch and the LICO and CoRAIL computers were changed to shielded cables tested at 100 Mbps. According to DTI, these cables are more appropriate for this type of environment (Port of Montreal).

Switch

The Allied Telesyn Fast Ethernet 10/100 Mbps switch functioned very well during the laboratory tests and during the acceptance tests at the Port of Montreal.

During these tests, the EDI file was not transmitted to the Port of Montreal's central AS/400 computer. However, in operating mode, this information will have to be transmitted. The Port of Montreal's fiber-optic network could be used as an alternative to the existing TCP/IP dial-up connection. This modification would require a slight change in the network configuration to allow adequate interconnection. This in no way affects the computers' local area network.

Conclusion

The existing LAN is very stable and efficient. The modifications recommended by DTI and implemented with CCTC have proved their reliability and made it possible to achieve data transfer over the network data within 20 minutes. The recommended changes to certain LAN components should be implemented to other network components that were not modified for these tests. These changes would allow the LAN to offer network homogeneity and would ensure efficient integration. An overall WAN solution incorporating a fiber-optic communications network still has to be developed in accordance with the Port of Montreal's specifications, constraints, and requirements.

6.2 Software

6.2.1 Synchronization between the AEI station and the LICO stations

De-synchronization problems between the AEI and LICO programs have occasionally resulted in assigning different move numbers to the container images and the corresponding file. This made it difficult for the OCR program to match the container images. CCTC has proposed a software patch to correct this problem and improve synchronization between the AEI and LICO programs. DTI recommends assigning a unique number simultaneously to both AEI and LICO computers.

6.2.2 Processing of "null" trains

When the AEI wheel sensors detect the presence of a train, the LICO and AEI programs initiate the process of image capture. Conversely, if the train stops and reverses, no associate image files will be generated. To ensure that all moves are correctly identified by the system, a modification is required to the AEI program so that it does not issue an "empty" move notification to the Port.

6.2.3 Upgrading of the AEI and LICO operating system

DTI recommends installing the Microsoft Windows 2000 Pro operating system on the AEI, LICO1 and LICO2 platforms to standardize the operating systems used by the different sub-systems and to optimize the integrated system's general performance. System analysis is a difficult task

because too many legacy platforms operate on their own systems. To gain access to a comprehensive set of analysis tools and to ensure better control over the data flow in the system, a move to the Windows Pro operating system for all AEI and LICO stations would be the next logical integration step.

This would complement the work already done in running the OCR application under Windows 2000 Pro. In addition, it would correct the problem observed with the pairing process when one of the two frame grabbers failed. The move to Windows 2000 Pro would provide more stability (manufacturer's opinion) to the frame grabber driver. However, this would have to be verified before implementation and it would still be wise to redesign the pairing process to make it more reliable in case of frame grabber failure and recovery.

6.2.4 Modification to the LICO software to ensure end-of-train detection

To ensure that the OCR program detects an end-of-train (EOT) requires that the LICO program send a specific signal. Each OCR program keeps processing until the EOT condition is met or until there are no new files and a timeout condition is met. The OCR program then generates the OCR files, one for CoRAIL2 and one for CoRAIL3. CoRAIL2 is now finished and falls back into IMG file waiting mode. The CoRAIL stations did not detect or recognize the EOT. DTI believes that a modification to the LICO program is required to correct this situation.

6.2.5 OCR source code documentation and update

TDC is also considering enhancement of the INO OCR Software Design Document (SDD) and the comments in the OCR source code to make the documents easier to maintain and to make them subject to configuration control. The work to document the software design and source code will be done by a third party.

6.2.6 EDI file transfer via a direct link to the Port of Montreal

A modification is required to the AEI software to allow the program to transfer the EDI files directly to the Port of Montreal AS/400 server utilizing the fiber-optic network. This change will reduce the data overhead between the AEI/OCR network and the Port of Montreal communication server. The serial SLIP TCP/IP dial-up connection between the AEI and the POM AS/400 platform should be replaced by a direct connection between the AEI computer and the Port's network server.

7 CONCLUSION

The main objective of this project was to improve the performance of the AEI/OCR system processing time by correcting the deficiencies observed in the data transfer rates on the local area network. This objective was achieved, since 96.7% of the moves observed (89/92) met the required processing time threshold of within 20 minutes. However, the acceptance tests and subsequent analysis of the results revealed a number of software, infrastructure, and equipment deficiencies in the current system configuration.

The network software and hardware improvements and the equipment improvements required are described in detail in Section 6. The following is a brief summary:

- Upgrade the AEI and LICO platforms to a Windows-based network.
- Ensure synchronization between AEI and LICO programs
- Resolve end-of-train detection problem
- Resolve activation of wheel sensors leading to “empty” train processing
- Provide a direct link for data transfer between the AEI/OCR network and the Port of Montreal computer
- Upgrade the physical installation, including the size of the bungalow
- Install an alarm and monitoring system
- Provide more secure attachments for cameras and lights
- Provide for better control and adjustment of the cameras
- Replace the OCR reference lights with light beams

To improve the performance of the system, a complete revision of the physical infrastructure is required to turn the prototype AEI/OCR system into an operational one available on a 24x7 basis. Although the system’s network components have been examined and updated, other hardware components need to be reviewed before proceeding with implementation of an operational system. Finally, some corrections and/or revisions will also have to be made to the AEI program to improve its stability and performance in this application.

DTI was able to improve the overall network processing time of the AEI/OCR system by correcting deficiencies observed in the data transfer rates on the local area network. However, during the acceptance tests and the subsequent analysis of the test results, it was evident that the system installation had significantly degraded and this affected the results obtained. This report identifies a number of equipment, hardware, and software deficiencies that need to be corrected before moving to an operational system.

The current single-track AEI/OCR system is still considered a prototype. With the infrastructure, equipment, software, and hardware improvements suggested, this system could become operational. The testing carried out by DTI has demonstrated the potential performance capability of the AEI/OCR system. It was proven that under optimal conditions the system can achieve accuracy in excess of 80% and transfer data within the specified time delay.

DTI also investigated the feasibility of transferring the single-track installation to a double-track site. This requires the existing track layout to be rearranged, i.e., the tracks separated. A possible future double-track location at another site in the Port of Montreal is under investigation by the Port Authority. DTI examined several existing locations but none lends itself to immediate implementation without extensive track work.

A number of issues need to be resolved prior to the installation of an operational double-track system. The main issues are:

- the additional clearance required by the new camera lenses (25 mm) suggested by CCTC (29 feet);
- the space required for the installation of twin AEI/OCR systems comprising lighting systems, bungalow, and equipment needed for a double-track system;
- system installation requirements (system equipment and constraints imposed by the railroads).

The prototype AEI/OCR system has the potential for an operational system and additional resources should be invested to achieve the objectives set at the start of this project.

APPENDIX A

Keyboard/Mouse/Monitor Sharing Switch



Keyboard/Mouse/Monitor Sharing Switch



Installation Manual

SV201

SV401

Overview

The StarView SV401 & SV201 KVM Switches are a control unit that allows access to multiple PC systems (4 PCs for SV401, 2 PCs for SV201) from a single console (keyboard, monitor and mouse). With the SV401/SV201 you can easily access multiple computers in a cost effective manner.

The StarView SV401/SV201 provides two convenient methods to access the PCs connected to the system: using the push button selection switch located on the units right side; and entering hot key combinations from the keyboard. Set up is fast and easy; plugging cables into their appropriate ports is all that is entailed. There is no software to configure, no installation routines, and no incompatibility problems.

There is no better way to save time and money than with a SV401/SV201 installation. By allowing a single console to manage all of the attached PCs, the SV401/SV201 eliminates the expense of purchasing a separate keyboard, mouse and monitor for each PC.

Additionally, it saves all the extra space they would take up, and eliminates the inconvenience and wasted effort involved in constantly having to move from one PC to another.

Features

- Supports Microsoft Intellimouse, Logitech MouseMan +, FirstMouse+ and IBM Scroll Point Mouse.
- Keyboard and mouse emulation for error free PC booting.
- Caps Lock, Num Lock and Scroll Lock states are saved and restored when switching.
- Supports 1920 x 1440 resolution.
- Easy to install - No software required - Standard cables to connect to all PCs is all it takes, although we do recommend you use StarTech.com's 3-in-1 cables to ensure easier cable management.
- Easy to operate - PC selection via pushbutton switch or hot keys - Auto Scan function to monitor PC operation.
- Compatible with all PC operating platforms.
- LED display for easy status monitoring
- Saves time, space, power and equipment costs.
- Non-powered
- Supports DDC2B (Display Data Channel)
- Hot pluggable

Hardware Requirements

Console

- One VGA, SCGA, or Multisync monitor capable of the highest resolution that you will be using on any PC in the installation.
- One PS/2 mouse.
- One PS/2 style keyboard or AT style keyboard plus keyboard adapter

PC

- A VGA, SVGA, or Multisync card
- A 6-pin mini-DIN (PS/2) port
- Either a 6-pin mini-DIN (PS/2) keyboard port, or a 5-pin DIN (AT style) keyboard port

Cable

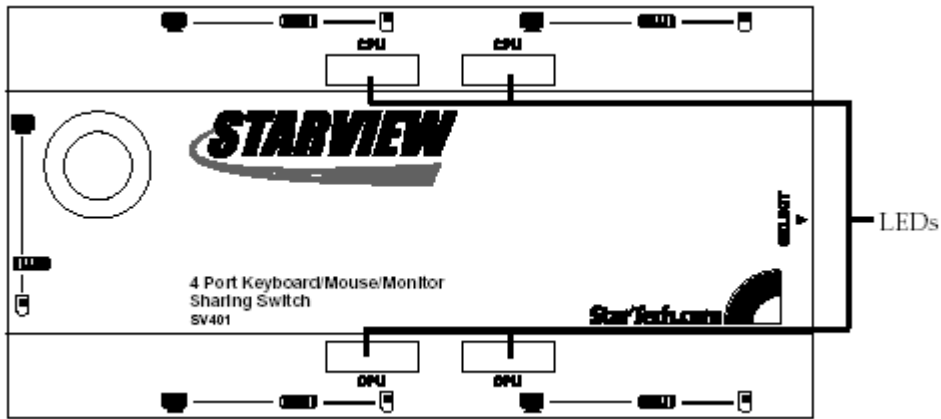
Although it is possible to use standard extender cables to connect the PCs to the SV401/SV201, for optimum signal integrity and to simplify the layout, we strongly recommend that you use our high quality 3-in-1 cables.

**Note: The SV401/SV201 does not support a serial mouse*

Introduction

SV401

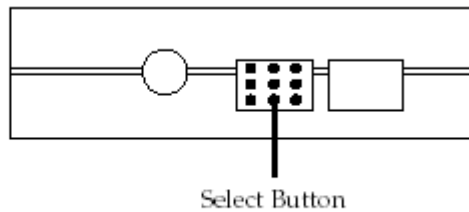
Top View



Selected LEDs

Lights to indicate the currently selected port. Depending on the port status, the LED may flash according to a specific pattern (see the Appendix for details).

Right Side View:

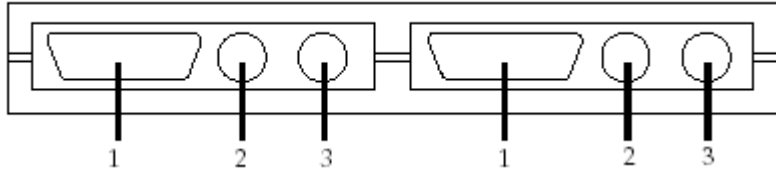


Port Selection Button

Pressing this pushbutton switches cycles through the four CPU ports (A ~ B ~ D ~ E ~ A, etc.), to select the active port.

CPU & Console Connectors:

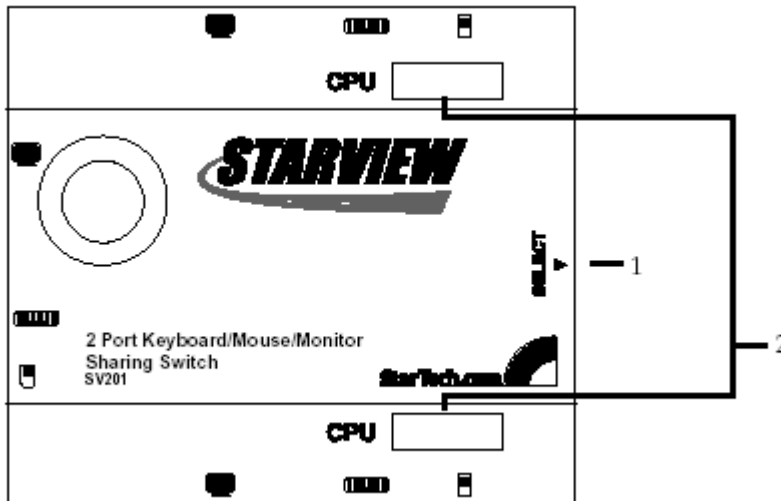
There are three connectors for each of the four CPU ports, as well as for the console. Each connector is indicated by an appropriate icon.



- 1. Video Connector
- 2. PS/2 Style Keyboard Connector
- 3. PS/2 Style Mouse Connector

SV201

Top View



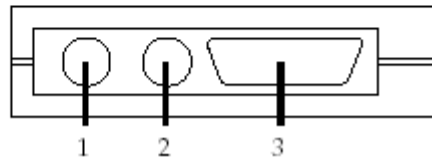
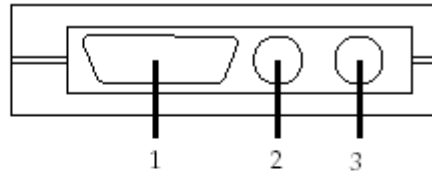
- 1. Port Selection Button

Pressing the selection button allows you to access back and forth between PXs.

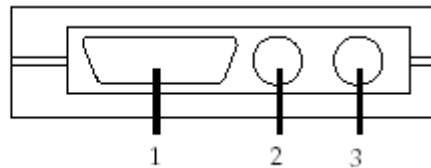
- 2. Selected LEDs

Lights to indicate the current selected port. Depending on the port status, the LED may flash according to a specific pattern (see the Appendix for details).

CPU Port View



1. Video Connector
2. PS/2 Style Keyboard Connector
3. PS/2 Style Mouse Connector



Console View

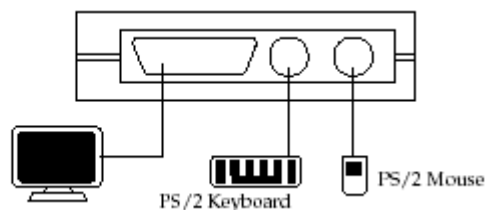
1. Monitor Connector
2. PS/2 Style Keyboard Connector
3. PS/2 Style Mouse Connector

Installation

Before you begin, make sure that all the devices (SV401/SV201 and both PCs) you will be connecting up has been turned off.

1. Plug the monitor, keyboard and mouse into the console port connectors of the SV401/SV201 unit.
2. Use the extender cables (as described in the hardware requirement section) to connect the monitor, keyboard and mouse ports of the PCs to the StarView SV401/SV201 as shown in the diagram below.
3. Turn on the power to the monitor and the connected PCs.

Note: The Power On default for both units (SV401/SV201) is to link to Part A. If the PC attached to Port A is inactive, the monitor will appear as if the unit is not functioning. This is not the case. Simply use one of the port selection methods described below to switch to the active PC on one of the other ports (B, D or E).



Operation

Controlling both PCs in your StarView SV401/SV201 installation from a single console could not be easier. Two port selection methods that provide instant access to either PC are available:

- Manual Port Selection
- Hot Key Port Selection

Manual Port Selection

With manual port selection you can simply press the port selection button on the SV401/SV201's right panel to cycle among the computers (A ~ B ~ D ~ E ~ A etc.). The selected LED on the top panel lights indicates which port is active.

Hot Key Port Selection

Hot key navigation allows you to select the active PC directly from the keyboard, instead of having to manually select it by pushing the port selection button. The SV401/SV201 provides several Hot Key navigation features:

- Selecting the Active Port
- Auto Scan Mode
- Last/Next Mode (SV401)

Note: All Hot Key operations begin by pressing and releasing Alt + Ctrl + Shift combination. The combination must all be on the same side of the keyboard (Left Ctrl + Left Alt or Right Ctrl + Right Alt).

Selecting the Active Port

Each CPU port is assigned an alpha ID (CPU A, CPU B, CPU D and CPU E). A port ID number is associated with each letter (see table below). You access the PC attached to a port by specifying the Port ID as part of the Hot Key combination as follows:

SV201

Press and release the Left Ctrl or Right Ctrl key twice.

Note: The combination must be on the same side of the keyboard (Left Ctrl + Left Ctrl or Right Ctrl + Right Ctrl).

SV401

1. Press and release Alt+Ctrl+Shift
2. Key in the appropriate Port ID (1, 2, 3 or 4)
3. Press Enter

The Port ID numbers that correspond to the port letters are as follows:

Port Letter	Port ID Number
A	1
B	2
D	3
E	4

Auto Scan Mode

The StarView SV401/SV201's Auto Scan feature automatically switches among the PCs at regular intervals so that you can monitor their activity without having to take the trouble of switching yourself. To invoke Auto Scan Mode, key in the following combination:

SV201

Press and release the Left Shift key, the press and release the Right Shift key (Left Shift + Right Shift).

SV401

1. Press and release Alt+Ctrl+Shift
2. Press and release 0 (zero)
3. Press Enter

Once the scanning begins, it continues until you press the space bar to exit Auto Scan Mode. The port that was active at the time scanning stopped remains active.

Note: While Auto Scan Mode is in effect, none of the other keyboard keys will function. You must exit Auto Scan Mode by pressing the Spacebar in order to use the console for anything else.

Last/Next Mode (SV401)

The Last/Next feature is provided to enable you to quickly switch back and forth between computers in order to monitor them manually, instead of using Auto Scan Mode. This method lets you dwell on a particular port for as long or as little as you like, as opposed to Auto Scan Mode, which switches after a fixed interval. To invoke Last/Next Mode, which switches after a fixed interval, key in the following combination:

1. Press and release Alt+Ctrl+Shift
2. Press and release 9
3. Press Enter

Once the Last/Next Mode is active pressing the Left Shift key switches to the previous computer (from the currently active one); pressing the Right Shift key switches to the next computer in the installation.

Note: While Last/Next Mode is in effect, none of the other keyboard keys will function. You must exit Last/Next Mode by pressing the Spacebar in order to use the console for anything else.

Appendix

Selected LED display

Activity	Meaning
Off	Port is not selected.
On (Steady)	Port is connected to an active PC.
Flashing (On and Off Equal)	Port is connected to an active PC and is being accessed by autoscans mode.
Flashing (On Long, Off Short)	Port is being connected to an active PC and is being accessed by Last/Next mode.

Specifications

Computer Connections		4 (2)
Port Selection		Push Button Switch Hot Keys
LEDs		4 (2) Selected
Connectors	Keyboard	1 x 6 pin mini DIN female (PS/2 style) - Console 4 (2) x 6 pin mini DIN female (PS/2 style) - CPU Ports
	Mouse	1 x 6 pin mini DIN female (PS/2 style) - Console 4 (2) x 6 pin mini DIN female (PS/2 style) - CPU Ports
	Video	1 x HDB-15 female (std. VGA/SVGA) 4 (2) x 6 HDB-15 male (std. VGA/SVGA)
Operating Temperature		5~40 deg. C
Storage Temperature		-20 ~ 40 deg. C
Humidity		0 ~ 80% RH, Non condensing
Enclosure		Plastic
Weight		250g (190g)
Dimensions (L x W x H)		170 x 87 x 28.5 mm (130 x 100 x 35 mm)

(SV201 in Brackets)

Limited Warranty

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT FROM DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, DISK OR ITS DOCUMENTATION.

The direct vendor makes no warranty or representation, expressed, implied or statutory with respect to the contents or use of this documentation, and specially disclaims its quality, performance, merchantability or fitness for any particular purpose.

The direct vendor also reserves the right to revise or update device or documentation without obligation to notify any individual or entity of such revisions or update. For further inquiries please contact your direct vendor.

Preventing Radio & TV Interference

WARNING!! This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the

AEI/OCR System Integration

limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

APPENDIX B

Detailed Tables of OCR Results (moves with containers)

Legend of the elements of the tables

- Date : Date of the move
- Move time : Detection time of the train
- Move : Sequential move number
- Time taken : Duration of the move
- Images C1 : Number of images generated with the camera 1
- Images C2 : Number of images generated with the camera 2
- Visual inspection C1 : Value read during the visual inspection - camera 1 side
- Visual inspection C2 : Value read during the visual inspection - camera 2 side
- PoM Consist : Returned value to PoM further to the treatment
- Code ID – C1 : Value returned by the software - camera 1 side
- Code ID – C2 : Value returned by the software - camera 2 side
- PoM match : Result - value returned to PoM (0 = False, 1 = True)
- Code ID C1 match : Result - value returned for camera 1 side (0 = False, 1 = True)
- Code ID C2 match : Result - value returned for camera 2 side (0 = False, 1 = True)
- Invalid C1 : Invalid ID code for OCR - camera 1 side (Null = valid, 1 = invalid)
- Invalid C2 : Invalid ID code for OCR - camera 2 side (Null = valid, 1 = invalid)
- Invalid : Invalid ID code for OCR - both sides (Null = valid, 1 = invalid)
- # Image C1 : Corresponding number of image - camera 1 side
- # Image C2 : Corresponding number of image - camera 2 side

AEI/OCR System Integration



Acceptance Tests Form

MOVE 141

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID - C1 Match		Code ID - C2 Match		Invalid C1	Invalid C2	Inval	# Image C1	# Image C2
2001-08-23	05:02:08	141	00:06:14	242	250									
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Inval				
PONU 476897 0	PONU 476897 0	PONU 476897 0	PONU 476897 0	PONU 476897 0	1	1	1						17	11
MWCU 600674 2	MWCU 600674 2	MWCU 600674 2	MWCU 600674 2	MWCU 600674 2	1	0	1						17	17
CNGU 000888 ?	CNGU 000888 ?	JICU 000888 ?		JICU 000888 ?	0	0	0	1	1	1			21	19
GCEU 665862 8	GCEU 665862 8	GCEU 665862 8		GCEU 665862 8	1	0	1						21	19
PONU 473714 1	PONU 473714 1	PONU 473971 4	PONU 473+71 4	PONU 473+71 4	0	0	0						26	24
HLCU 411466 7	HLCU 411466 7	HLCU 411466 7	HLCU 411466 %	HLCU 411466 %	1	0	1						26	24
HLXU 604600 0	HLXU 604600 0	HLXU 604600 0	HLXU 604600 0	HLXU 604600 0	1	1	1						30	28
HLXU 616813 8	HLXU 616813 8				0	0	0						30	28
HLCU 409221 2	HLCU 409221 2				0	0	0						35	32
GATU 814381 4	GATU 814381 4	GATU 814381 4	GATU 814381 4	GATU 814381 1	1	1	0						35	32
HLXU 456735 5	HLXU 456735 5	HLXU 456735 5	HLXU 456735 5	HLXU 456735 5	1	1	1						37	36
PONU 083988 6	PONU 083988 6	PONU 083988 6	PONU 083988 6	PONU 083988 6	1	0	1						39	38
POCU 012544 2	POCU 012544 2	POCU 012544 2	POCU 012544 2	POCU 012544 2	1	1	1						43	41
TRIU 906820 0	TRIU 906820 0	TRIU 906820 0	TRIU 906820 0	TRIU 008820 0	1	1	0			1			43	41
TRIU 968505 3	TRIU 968505 3	TRIU 968505 3	TRIU 968505 3	TRIU 968505 3	1	1	1						46	45
ITLU 665428 8	ITLU 665428 8	ITLU 665428 8		ITLU 665428 8	1	0	1						47	45
SEAU 855422 9	SEAU 855422 9	SEAU 855422 9	SEAU 855422 9	SEAU 855422 9	1	0	1						47	46
PONU 078493 1	PONU 078493 1	PONU 078493 1	PONU 078493 1	PONU 078493 1	1	1	0						50	48
PONU 148528 3	PONU 148528 3	PONU 148528 3	PONU 148528 3	PONU 148528 3	1	1	1						50	48
TRIU 908841 7	TRIU 908841 7	TRIU 908841 7	TRIU 908841 7	TRIU 908841 7	1	0	1						53	51
PONU 129719 9	PONU 129719 9	PONU 129719 9	PONU 129719 9	PONU 129719 9	1	0	1						53	51
TEXU 494783 5	TEXU 494783 5	TEXU 494783 5	TEXU 494783 5	TEXU 494783 5	1	0	1						56	54
TEXU 552767 3	TEXU 552767 3	TEXU 552767 3	TEXU 552767 3	TLXU 557767 3	1	1	0						56	54
SEAU 821530 7	SEAU 821530 7	SEAU 821530 7	SEAU 821530 7	SEAU 821530 7	1	1	1						59	57
KNLU 501921 0	KNLU 501921 0	KNLU 501921 0	KNLU 501921 0	KNLU 501921 0	1	1	1						59	57
TTNU 4747?? ?	TTNU 4747?? ?	TTNU 474?? ? ?	TTNU 474?? ? ?	TTNU 4747?? ?	0	0	0	1	1	1			62	61
MAEU 791969 2	MAEU 791969 2	MAEU 791969 2	MAEU 791969 2	MAEU 791969 2	1	0	1						63	61
PONU 722212 9	PONU 722212 9	PONU 722212 9	PONU 722212 9	PONU 722212 9	1	1	1						63	62
SCMU 201328 7	SCMU 201328 7				0	0	0						66	65
SCMU 204710 0	SCMU 204710 0	SCMU 204710 0	SCMU 204710 0	SCMU 204710 0	1	0	1						67	65
FSCU 403765 0	FSCU 403765 0	FSCU 403765 0	FSCU 403765 0	FSCU 403765 1	1	0	1						67	66
GLDU 012137 0	GLDU 012137 0	GLDU 012137 0	GLDU 012137 0	GLDU 012137 0	1	0	0						70	69
CLHU 252248 0	CLHU 252248 0	CLHU 252248 0	CLHU 252248 0	CLHU 252248 0	1	0	1						71	69
PONU 157058 0	PONU 157058 0	PONU 157058 0	PONU 157058 0	PONU 157058 0	1	1	1						74	73
MSKU 207924 7	MSKU 207924 7	MSKU 207924 7	MSKU 207924 7	MSKU 207924 7	0	0	0						74	73
PONU 070420 0	PONU 070420 0	PONU 070420 0		PONU 070420 0	1	0	1						75	74
MAEU 719509 3	MAEU 719509 3	MAEU 719509 3	MAEU 719509 3	MAEU 719509 3	1	1	1						75	74
TEXU 369311 9	TEXU 369311 9	TEXU 369311 9	TEXU 369311 9	TEXU 369311 9	1	1	0						80	78
TGHU 213454 1	TGHU 213454 1	TGHU 213454 1	TGHU 213454 1	TGHU 213454 1	1	0	1						80	79
OCLU 132012 6	OCLU 132012 6	OCLU 132012 6	OCLU 132012 6	OCLU 132012 6	1	0	1						83	82
GATU 052803 9	GATU 052803 9	GATU 052803 9	GATU 052803 9	GATU 052803 9	1	1	0						84	82
KNLU 327236 4	KNLU 327236 4	KNLU 327236 4	KNLU 327236 4	KNLU 327236 4	1	0	1						84	83
GLDU 059029 5	GLDU 059029 5	GLDU 059029 5	GLOU 059029 5	GLDU 1590+9 5	0	0	0			1			87	86
ICSU 478404 8	ICSU 478404 8	ICSU 478404 8	ICSU 478404 8	ICSU 478404 8	1	1	0						88	86
PONU 068819 9	PONU 068819 9	PONU 068819 9	PONU 068819 9	PONU 068819 9	1	0	1						88	87
PONU 722550 8	PONU 722550 8	PONU 722550 8	PONU 722550 8	PONU 722550 8	1	1	1						92	91
TTNU 285799 ?	TTNU 285799 ?	TTNU 285799 ?	TTNU 285799 ?	TTNU 285799 %	0	0	0			1	1	1	93	92
APMU 802234 4	APMU 802234 4	APMU 802234 4	APMU 802234 4	APMU 802234 4	1	1	1						96	95
??P?G 592011 5	GSTU 592011 5	GSTU 592011 5	GSTU 592011 5	GSTU 592011 5	1	0	1			1			97	95
TRLU 239211 1	TRLU 239211 1	TRLU 239211 1	TRLU 239211 1	TRLU 239211 1	0	0	0						97	96
MSKU 611464 4	MSKU 611464 4	MSKU 611464 4	MSKU 611464 4	MSKU 611464 4	0	0	0						97	96
MAEU 695642 8	MAEU 695642 8	MAEU 695642 8		MAEU 695642 8	1	0	1				1		100	99
MAEU 826472 7	MAEU 826472 7	MAEU 826472 7	MARU 826472 7	MATU 8+6472 7	1	0	0						101	99
CPIU 893181 0	CPIU 893181 0	CPIU 893181 0	CPIU 893181 0	CPIU 893181 0	1	1	0						105	103
SEAU 785262 0	SEAU 785262 0	SEAU 785262 0	SEAU 785262 0	SEAU 785262 0	1	0	0						105	103
PONU 738346 3	PONU 738346 3	PONU 738346 3	PONU 738346 3	PONU 738346 3	1	1	0						109	107
PONU 740376 5	PONU 740376 5	PONU 740376 5	PONU 740376 5	PONU 140316 5	1	1	0						109	107
SCMU 430869 3	SCMU 430869 3	SCMU 430869 3	SCMU 430869 3	SCMU 430869 3	1	1	1						114	112
HLXU 613474 0	HLXU 613474 0	HLXU 613474 0	HLXU 613474 0	HLXU 613474 0	1	1	1						117	115
HLXU 426283 9	HLXU 426283 9	HLXU 426283 9	HLXU 426283 9	HLXU 426283 9	1	1	1						117	115
?LCU 415573 2	HLXU 415573 2	HLXU 415573 2	JLCU 511597 3	HLXU 415573 2	1	0	1			1			121	119
HLXU 604998 8	HLXU 604998 8	HLXU 604998 8	HLXU 604998 8	HLXU 604998 8	1	1	1						121	119

AEI/OCR System Integration



Acceptance Tests Form MOVE 141

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2							
2001-08-23	05:02:08	141	00:06:14	242	250	Code ID - C1	Code ID - C2	Invalid C1	Invalid C2	# Image C1	# Image C2	
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match	C1	C2	Invalid	C1	C2
HLXU 600401 0	HLXU 600401 0	HLXU 600401 0	HLXU 600401 0	HLXU 600401 0	1	1	1				121	119
HLXU 440732 0	HLXU 440732 0	HLXU 440732 0	HLXU 440732 0	HLXU 440732 0	1	1	1				124	122
HLCU 403260 9	HLCU 403260 9	HLCU 413260 9		HLCU 413260 9	0	0	0				124	122
GLDU 058626 9	GLDU 058626 9	GLDU 058626 9		GLDU 058626 9	1	0	1	1			132	130
TEXU 458925 9	TEXU 458925 9	TEXU 458925 9		TEXU 458925 9	1	1	1				132	130
TTNU 952265 8	TTNU 952265 8	TTNU 952265 8		TTNU 952265 8	1	1	0				136	134
PONU 081455 3	PONU 081455 3				0	0	0				138	137
GLDU 065548 3	GLDU 065548 3	CLOU 065548 3	?LOU 065548 3	GLOU 065548 3	0	0	0				141	139
CRXU 421725 0	CRXU 421725 0	CRXU 421725 0	CRXU 421725 0	CRXU 421720 ?	1	1	0				145	143
MAEU 830567 8	MAEU 830567 8	MAEU 830567 8	MAEU 830567 8	MAEU 830566 ?	1	1	0				149	147
PONU 133172 9	PONU 133172 9	PONU 133172 9	PONU 133172 9	OONU 133172 9	1	1	0			1	153	151
	HLCU 420500 5	HLCU 420500 5		HLCU 420500 5	1	0	1	1			172	172
	OOLU 351065 9	OOLU 351065 9		OOLU 351065 9	1	0	1	1			172	172
	HLCU 218002 1				0	0	0	1			173	173
	KNLU 502096 ?	KNLU 502096 ?		KNLU 502096 ?	0	0	0	1	1	1	177	177
	MAEU 729870 1	MAEU 729811 1		MAEU 729811 1	0	0	0	1			177	177
TTNU 421129 4	TTNU 421129 4				0	0	0				176	181
NYKU 655632 0	NYKU 655622 0	NYKU 655632 0	NYKU 655632 0	NYKU 655??? ?	1	1	0		1		176	181
MWCU 656942 7	MWCU 656942 7	MWCU 656942 7	MWCU 656942 7	MWCU 656942 7	1	1	1				180	185
NYKU 672013 6	NYKU 672013 6	NYKU 672013 6	NYKU 672013 1	NYKU 672013 1	1	0	0				180	185
SEAU 911038 0	SEAU ?11038 0				0	0	0		1		184	189
GSTU ?75322 0	GSTU 935322 0	GSTU 935322 0		GSTU 935322 0	1	0	1	1			184	189
APMU 273736 1	APMU 273736 1				0	0	0				187	193
GLDU 045322 4	GLDU 045322 4	GLDU 045322 4	GLDU 045322 4	GLOU 045322 4	1	1	0				189	193
PONU 012736 7	PONU 012736 7	PONU 012736 7	PONU 012736 7	APNU 273736 1	1	1	0				189	194
MAEU 610505 3	MAEU 610505 3	MAEU 610505 3	MAEU 610513 ?	MAEU 610505 3	1	0	1				193	198
INKU 222747 1	INKU 222848 1	INKU 222848 1		INKU 222848 1	1	0	1	1			193	198
APMU 270523 5	APMU 270523 5	APMU 270523 5	AIMU 270523 5	APMU 270723 5	1	0	0				196	202
PONU 125611 6	PONU 125611 6	PONU 125611 6	PONU 125611 1	PONU 125611 6	1	0	1				202	206
OCLU 139700 4	OCLU 139700 4	OCLU 139700 4	OCLU 139700 4	OCLU 139700 4	0	0	0			1	206	211
NYKU 656112 1	NYKU 656112 1	NYKU 656112 1	NYKU 656112 1	NYKU 656112 1	1	1	1				210	215
SEAU 785168 6	SEAU 785168 6	SEAU 785168 6	SEAU 785168 8	SEAU 785168 6	1	0	1				214	219
MAEU 576277 3	MAEU 576277 3	MAEU 576277 3	MAEU 576277 3	MAEU 576277 3	1	1	1				219	223
SEAU 826503 6	SEAU 826503 6	SEAU 826503 6	SEAU 826503 6	SEAU 826503 6	1	1	1				223	228

Nb. of containers : 98 Match Code ID : 74 Nb. Of Invalid C1 : 13
 Match Code ID C1 : 41 Nb. Of Invalid C2 : 10
 Match Code ID C2 : 53 Nb. Of Invalid : 5

Perfect match code : 23

	C1	C2	PoM
Accuracy :	48.235%	60.227%	79.570%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 142

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2											
2001-08-23	05:38:42	142	00:05:37	317	314											
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid Invalid	# Image C1	# Image C2				
SCMU 208070 5	SCMU 208070 5	SCMU 208070 5	SCMU 208070 5	SCAU 208070 5	1	1	0				11	12				
GESU 216450 1	GESU 216450 1	GESU 216450 1	GESU 216450 1	GESU 216451 3	1	1	0				12	14				
TTNU 268925 8		TTNU 264025 8	TTNU 264025 8		0	0	0		1		16					
OCLU 090781 8		OCLU 090781 8	OCLU 090781 8		1	1	0		1		18					
SAMU 271638 1		SAMU 271638 ?	SAMU 271638 ?		0	0	0		1		22					
ITLU 697507 7					0	0	0		1		24					
PONU 715588 5	PONU 715588 5	PONU 715588 5	PONU 715588 5	PONU 715588 5	1	1	1				26	26				
NYKU 231827 6	PYKU 231821 6	NYCU 516321 ?	NYCU 516321 ?		0	0	0	1	1	1	32	30				
CRXU 161143 0	CRXU 161143 0	CRXU 161143 0	CRXU 161143 ?	CRXU 161143 0	1	0	1				33	32				
TRLU 632756 0	TRLU 632756 0	TRLU 632756 0	TRLU 632756 0	TRLU 632756 0	1	1	1				36	36				
TRLU 565028 5	TRLU 565028 5	TRLU 565028 5	TRLU 565028 5	TRLU 565028 5	1	1	1				41	41				
OCLU 701361 5	OCLU 701361 5	OCLU 701361 5	OCLU 701361 ?	OCLU 701361 5	1	0	1				45	45				
PONU 069169 6	PONU 069169 6	PONU 069169 6	PONU 069169 6	PONU 069169 9	0	0	0				49	48				
TTNU 233442 7	TTNU 233442 7	TTNU 233442 7	TTNU 233442 2	TTMU 233442 7	1	0	0				51	50				
NYKU 602800 4	NYKU 602800 4	TMIU 502800 4	TMIU 502800 4	NVKU 502800 4	0	0	0				55	55				
TRIU 499528 ?	TRIU 499528 ?	TRIU 499528 ?	TRIU 499528 ?	TRIU 499528 ?	0	0	0	1	1	1	59	59				
APMU 455562 2	APMU 455562 2				0	0	0				64	65				
POCU 420735 9	POCU 420735 9	POCU 420735 9	POCU 420735 9	POCU 420735 9	1	1	1				69	69				
PONU 128393 4	PONU 128393 4	PONU 128393 4	PONU 128393 4	POMU 128393 4	0	0	0				74	74				
OCLU 143776 6	OCLU 143776 6	OCLU 143776 6	OCLU 143776 6	OCLU 143776 6	1	1	1				80	80				
POCU 421415 2	POCU 421415 2	POCU 421415 2	POCU 421415 2	POCU 421416 2	1	1	0				84	84				
SEAU 812101 8	SEAU 812101 8	SEAU 812101 8	SEAU 812101 8	SEAU 812101 8	1	1	1				89	89				
MAEU 577016 7	MAEU 577016 7	AAEU 577016 7	AAEU 577016 7		0	0	0				94	94				
CRLU 912879 7	CRLU 912879 7	CRLU 912879 7	CRLU 912879 7	CRLU 912879 7	1	1	1				98	99				
AMPU 454137 8	AMPU 454137 8	AMPU 454137 8		AMPU 454137 8	1	0	1				104	104				
SEAU 484868 9	SEAU 484868 ?	SEAU 484868 9	SEAU 484868 5	SEAU 484868 9	1	0	0		1		104	104				
SEAU 875182 4	SEAU 875182 4	SEAU 875182 4	SEAU 875182 8	SEAU 875182 8	0	0	0				110	110				
TGHU 725435 0	TGHU 725435 0	TGHU 725435 0		TGHU 725435 0	1	0	1				110	110				
PONU 135194 1	PONU 135294 1	PDNU 135194 0	PONU 135194 0	PONU 135094 1	0	0	0		1		116	116				
TTNU 900837 7	TTNU 900837 7				0	0	0				116	116				
CRLU 520652 5	CRLU 520652 5	CRLU 520652 5	CILU 520652 5	CHLU 520652 5	1	0	0				122	122				
MWCU 650980 8	MWCU 650980 8	SUCU 650980 8	VUCU 650980 8		0	0	0				132	132				
TINU 253401 9	TINU 253401 9	TTNU 253401 9	TTNU 253401 9	TTNU 253401 9	0	0	0				159	158				
CLHU 236644 ?	CLHU 236644 ?	CLHU 236644 ?	CLHU 236644 ?	CLHU 236644 ?	0	0	0	1	1	1	161	159				
MAEU 710587 9	MAEU 710581 9	IMEU 710588 ?	IMEU 710588 ?		0	0	0		1		165	166				
NYKU 605867 3	NYKU 605867 3	NTMU 605852 3	NYMU 605852 3	IVMU 505657 3	0	0	0				172	172				
GLDU 210209 1	GLDU 210209 1	GLDU 210209 1	GLOU 210209 1	GLOU 210209 1	0	0	0				178	176				
MSKU 201181 7	MSKU 201181 7	MSKU 201181 7		MSKU 201181 7	1	0	1				179	178				
HLXU 467962 7	HLXU 467962 7	HLXU 467962 7	HLXU 467962 7	HLXU 467962 7	1	1	1				212	212				
HLCU 411330 0	HLCU 411330 0	HLCU 411330 0	THIU 413330 5	HLCU 416330 0	0	0	0	1			212	212				
HLCU 425899 9	HLCU 425899 9	HLCU 425899 9	HLCU 425899 ?	HLCU 695699 5	0	0	0				218	218				
HLXU 601869 4	HLXU 601869 4	HLXU 601869 4	HLXU 601869 4	HLXU 601869 4	1	1	0				218	218				
HLXU 438280 8	HLXU 438280 8	HLXU 438280 8	ILXU 438280 8	HLXU 438280 8	1	0	1				225	225				
HLXU 404626 0	HLXU 404626 0	MLXU 404626 5	MLXU 404626 0	MLXU 404626 0	0	0	0				225	225				
HLXU 439760 2	HLXU 439760 2	HLXU 439760 2	HLXU 439760 2	HLXU 439760 2	1	1	1				231	231				
HLCU 458757 7	HLCU 458756 7	HLCU 458756 7	HLCU 438756 7	HLCU 458756 7	1	0	1		1		231	231				
HLCU 264745 6	HLCU 264745 6	HLCU 264745 6	HLCU 264745 6	HLCU 264745 6	1	1	1				236	235				
HLCU 243283 8	HLCU 243283 8	HLCU 243283 2	HLCU 243283 9	HITU 243283 7	0	0	0				238	237				
HLCU 463181 8	HLCU 463181 8	HLCU 463181 8	HLCU 463181 8	MLCU 463181 8	1	0	0				242	242				
HLXU 606748 8	HLXU 606748 8	HLXU 606748 8	HLXU 606748 8	ILXU 606748 2	1	1	0				242	242				
HLXU 413209 6	HLXU 413209 6	HLXU 413209 6	HLXU 118209 6	HIXU 413209 6	1	0	0				249	249				
HLCU 240051 1	HLCU 240051 1	HLCU 240051 1	HLCU 240051 1	HLCU 240051 1	1	1	1				249	247				
HLXU 214659 4	HLXU 214659 4	HLXU 214659 4	HLXU 214659 4	HLXU 214659 4	1	1	1				250	249				
??CU 202262 2	HLCU 202262 2	??CU 202262 7	??CU 202262 7		0	0	0	1			254	253				
HLXU 229976 2	HLXU 229976 2	MHOU 229976 2		MLOU 229976 2	0	0	0				256	255				
HLXU 416827 ?	HLXU 416827 3	HLXU 416827 3	HLXU 416827 1	HLXU 416827 3	1	0	1	1			261	261				
HLXU 260269 4	HLXU 260269 4	HLXU 260269 4	HLXU 260269 4		1	1	0				261	259				
HLXU 261340 4	HLXU 261340 4	HLXU 261340 4	HLXU 261340 4	HLXU 261340 4	1	1	1				262	261				
HLXU 260938 5	HLXU 260938 5	HLXU 260938 5	HLXU 260938 5		1	1	0				266	265				
HLXU 260675 0	HLXU 260675 0	HLXU 260675 0	HLXU 260675 0	HLXU 260675 0	1	1	1				268	266				
HLCU 463365 7	HLCU 463365 7	ILCU 463385 7		ILCU 463385 7	0	0	0				272	272				
HLXU 400019 2	HLXU 400019 2	HLXU 400019 2	HLXU 400019 2	HLXU 400019 2	1	1	1				272	272				
HLXU 431585 7	HLXU 431585 7	HLXU 431585 7	HLXU 431585 7	HLXU 431585 7	1	1	1				277	277				
HLXU 205379 ?	HLXU 205379 0	HLXU 205379 0	HLXU 205379 ?	HLXU 205379 6	1	0	0	1			277	276				

AEI/OCR System Integration



Acceptance Tests Form MOVE 142

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2							
2001-08-23	05:38:42	142	00:05:37	317	314							
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
HLCU 225249 8	HLCU 225249 8	HLCU 225249 8	HLCU 225249 8	HLCU 225249 8	1	1	1				279	277
HLXU 459275 9	HLXU 459275 9	HLXU 459275 9	MLXU 459275 9	HLXU 459275 9	1	0	0				283	283
HLCU 417394 7	HLCU 417394 7	HLCU 417394 7	HLCU 417394 7	HLCU 417394 7	1	1	1				283	283
Nb. of containers : 67					Match Code ID : 41		Nb. Of Invalid C1		9			
					Match Code ID C1 : 26		Nb. Of Invalid C2		9			
					Match Code ID C2 : 26		Nb. Of Invalid :		3			
Perfect match code 18												
						C1	C2	PoM				
Accuracy :						44.828%	44.828%	64.063%				

AEI/OCR System Integration



Acceptance Tests Form

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2							
2001-08-24	04:23:21	150	00:11:23	308	308							
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
INBU 383923 0	INBU 383923 0	INBU 383923 0	INBU 383923 0	INBU 383923 0	1	0	1				11	10
MSKU 231913 7	MSKU 231913 7	MSKU 231913 7	MSKU 231913 7	MSKU 231913 7	0	1	0				13	11
POCU 100401 8	POCU 100401 8	POCU 100401 8	POCU 100401 8	POCU 100401 1	1	0	0				16	14
MSKU 805329 7	MSKU 805329 7	MSKU 805329 7	MSKU 805329 7	MSKU 805329 7	1	1	1				20	17
INKU 287789 7	INKU 287789 7	INKU 287789 7	INKU 287789 7	INKU 287789 7	1	1	1		1		23	21
MSKU 235334 2	MSKU 235334 2	MSKU 235334 2	MSKU 235334 2	MSKU 235334 2	0	0	1				25	24
MAEU 672922 9	MAEU 672922 9	MAEU 672922 9	MAEU 672922 9	MAEU 672922 9	0	0	0	1			26	25
MWCU 609904 6	MWCU 609904 6	MWCU 609904 6	MWCU 609904 6	MWCU 609904 6	0	0	0				30	28
MWCU 654770 5	MWCU 654770 5	MWCU 654770 5	MWCU 654770 5	MWCU 654770 5	0	0	0				30	28
MWCU 611382 2	MWCU 611382 2	MWCU 611382 2	MWCU 611382 2	MWCU 611382 2	1	1	1				34	32
MWCU 612145 3	MWCU 612145 3	MWCU 612145 3	MWCU 612145 3	MWCU 612145 3	1	1	1				34	32
MWCU 606573 0	MWCU 606573 0	MWCU 606573 0	MWCU 606573 0	MWCU 606573 0	1	1	1				39	36
MAEU 538847 3	MAEU 538847 3	MAEU 538847 3	MAEU 538847 3	MAEU 538847 3	1	1	1				39	36
???? ???? ? ?	CNGU 000884	CNGU 000884	MAEU 538847 3	MAEU 538847 3	0	0	0				44	41
???? ???? ? ?	PONU 124285 3	PONU 124285 3	PONU 174285 1	PONU 124285 3	1	0	1		1		44	41
MAEU 570370 2	MAEU 570370 2	MAEU 570370 2	MAEU 570370 2	MAEU 570370 2	1	1	1				47	45
APMU 552664 0	APMU 552664 0	APMU 552664 0	APMU 552664 0	APMU 552664 0	1	1	1				47	45
MWCU 608074 0	MWCU 608074 0	MWCU 608074 0	MWCU 608074 0	MWCU 608074 0	1	1	1				52	50
TTNU 937650 6	TTNU 937650 6	TTNU 937650 6	TTNU 937650 6	TTNU 937650 6	0	0	0				52	50
MAEU 538429 3	MAEU 538429 3	MAEU 538429 3	MAEU 538429 3	MAEU 538429 3	1	1	1				56	54
OCLU 131943 9	OCLU 131943 9	OCLU 131943 9	OCLU 131943 9	OCLU 131943 9	1	0	0				56	54
SEAU 215441 5	SEAU 215441 5	SEAU 215441 5	SEAU 215441 5	SEAU 215441 5	1	0	1				59	58
MSKU 221292 0	MSKU 221292 0	MSKU 221292 0	MSKU 221292 0	MSKU 221292 0	1	1	1				60	59
PONU 142052 8	PONU 142052 8	PONU 142052 8	PONU 142052 8	PONU 142052 8	1	1	1				60	58
HLXU 607328 5	HLXU 607328 5	HLXU 607328 5	HLXU 607328 5	HLXU 607328 5	1	1	1				64	62
HLXU 408352 0	HLXU 408352 0	HLXU 408352 0	HLXU 408352 0	HLXU 408352 0	1	1	1				64	62
HLXU 229903 7	HLXU 229903 7	HLXU 229903 7	HLXU 229903 7	HLXU 229903 7	1	0	1				67	66
HLCU 209533 6	HLCU 209533 6	HLCU 209533 6	HLCU 209533 6	HLCU 209533 6	0	0	0				68	67
HLXU 617084 0	HLXU 617084 0	HLXU 617084 0	HLXU 617084 0	HLXU 617084 0	1	1	1				68	66
HLXU 465472 1	HLXU 465472 1	HLXU 465472 1	HLXU 465472 1	HLXU 465472 1	0	0	0				72	70
HLXU 445096 5	HLXU 445096 5	HLXU 445096 5	HLXU 445096 5	HLXU 445096 5	1	0	1				72	70
TGHU 201291 8	TGHU 201291 8	TGHU 201291 8	TGHU 201291 8	TGHU 201291 8	0	0	0		1		75	74
MSKU 214674 6	MSKU 214674 6	MSKU 214674 6	MSKU 214674 6	MSKU 214674 6	1	1	1				76	75
PONU 741930 8	PONU 741930 8	PONU 741930 8	PONU 741930 8	PONU 741930 8	0	1	0				76	74
TRLU 230833 0	TRLU 230833 0	TRLU 230833 0	TRLU 230833 0	TRLU 230833 0	0	0	1				79	78
MSKU 210042 6	MSKU 210042 6	MSKU 210042 6	MSKU 210042 6	MSKU 210042 6	0	1	0				80	79
PONU 725489 3	PONU 725489 3	PONU 725489 3	PONU 725489 3	PONU 725489 3	1	1	1				80	78
MSKU 205108 6	MSKU 205108 6	MSKU 205108 6	MSKU 205108 6	MSKU 205108 6	0	0	1				83	82
MSKU 228452 9	MSKU 228452 9	MSKU 228452 9	MSKU 228452 9	MSKU 228452 9	1	1	1				84	83
IEAU 431517 0	IEAU 431517 0	IEAU 431517 0	IEAU 431517 0	IEAU 431517 0	1	0	0				84	82
MSKU 233893 9	MSKU 233893 9	MSKU 233893 9	MSKU 233893 9	MSKU 233893 9	1	1	1				87	86
GATU 103880 1	GATU 103880 1	GATU 103880 1	GATU 103880 1	GATU 103880 1	1	1	1				88	87
MAEU 455616 6	MAEU 455616 6	MAEU 455616 6	MAEU 455616 6	MAEU 455616 6	1	1	1				88	86
MAEU 684199 0	MAEU 684199 0	MAEU 684199 0	MAEU 684199 0	MAEU 684199 0	1	0	1				91	90
GLDU 017403 0	GLDU 017403 0	GLDU 017403 0	GLDU 017403 0	GLDU 017403 0	1	1	1				93	92
MSKU 820634 9	MSKU 820634 9	MSKU 820634 9	MSKU 820634 9	MSKU 820634 9	1	1	0				93	90
GLDU 200084 4	GLDU 200084 4	GLDU 200084 4	GLDU 200084 4	GLDU 200084 4	1	1	0				95	94
PONU 094185 6	PONU 094185 6	PONU 094185 6	PONU 094185 6	PONU 094185 6	0	0	0				97	97
GATU 104162 0	GATU 104162 0	GATU 104162 0	GATU 104162 0	GATU 104162 0	0	0	0				99	98
MSKU 204238 2	MSKU 204238 2	MSKU 204238 2	MSKU 204238 2	MSKU 204238 2	0	0	1				101	100
POCU 063038 3	POCU 063038 3	POCU 063038 3	POCU 063038 3	POCU 063038 3	0	1	0				102	102
CRXU 160837 2	CRXU 160837 2	CRXU 160837 2	CRXU 160837 2	CRXU 160837 2	0	0	0		1	1	105	104
MSKU 218612 1	MSKU 218612 1	MSKU 218612 1	MSKU 218612 1	MSKU 218612 1	0	1	0				107	105
MAEU 633446 6	MAEU 633446 6	MAEU 633446 6	MAEU 633446 6	MAEU 633446 6	0	0	0				107	104
POCU 064251 1	POCU 064251 1	POCU 064251 1	POCU 064251 1	POCU 064251 1	1	0	1				110	109
PONU 077027 0	PONU 077027 0	PONU 077027 0	PONU 077027 0	PONU 077027 0	1	1	0				111	110
POCU 105336 8	POCU 105336 8	POCU 105336 8	POCU 105336 8	POCU 105336 8	1	1	1				111	109
GATU 093817 8	GATU 093817 8	GATU 093817 8	GATU 093817 8	GATU 093817 8	0	0	0				114	113
MAEU 685326 6	MAEU 685326 6	MAEU 685326 6	MAEU 685326 6	MAEU 685326 6	1	1	1				115	114
PONU 748530 0	PONU 748530 0	PONU 748530 0	PONU 748530 0	PONU 748530 0	1	1	1				120	118
PONU 150848 1	PONU 150848 1	PONU 150848 1	PONU 150848 1	PONU 150848 1	1	1	1				120	118
SEAU 811510 2	SEAU 811510 2	SEAU 811510 2	SEAU 811510 2	SEAU 811510 2	1	1	1				124	121
MAEU 816472 8	MAEU 816472 8	MAEU 816472 8	MAEU 816472 8	MAEU 816472 8	0	0	0		1		124	121
SEAU 811776 4	SEAU 811776 4	SEAU 811776 4	SEAU 811776 4	SEAU 811776 4	1	0	1				128	125

AEI/OCR System Integration



Acceptance Tests Form

DATE		MOVE TIME		MOVE		TIME TAKEN		IMAGES C1		IMAGES C2					
2001-08-24		04:23:21		150		00:11:23		308		308					
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2			
PONU 714705 1	PONU 714705 1	PONU 714705 1	PONU 714705 1	PONU 714705 1	1	1	1					128	125		
MAEU 837029 3	MAEU 837029 3	MAEU 837029 3	MAEU 837029 3	MAEU 837029 3	1	1	1					138	136		
PONU 722114 3	PONU 722114 3	PONU 722114 3	PONU 722114 3	PONU 722114 3	1	1	1					138	136		
GATU 075079 2	GATU 075079 2	GATU 075079 2	GATU 075079 2	PONU 722114 3	1	0	0					141	139		
POCU 005210 9	POCU 005210 9	POCU 005210 9	POFU 005210 9		1	0	0					142	141		
POCU 121415 9	POCU 121415 9			POCU 121415 9	0	0	1					142	139		
GATU 035602 7	GATU 035602 7	GATU 035602 7		GATU 035602 7	1	0	0					145	144		
KNLU 322827 4	KNLU 322827 4	KNLU 322827 4	KNLU 322827 4		1	1	0					146	145		
MAEU 808432 4	MAEU 808432 4	MAEU 808432 4	MAFU 608432 4	MALU 818402 4	1	0	0					146	144		
SCNU 201088 4	SCMU 201088 4	SCMU 201088 4		SCMU 201088 4	0	0	1					149	148		
POCU 043659 4	POCU 043659 4	POCU 043659 4	POCU 043659 4	POCU 043659 4	1	1	0					150	149		
CAXU 492595 4	CAXU 492595 4	CAXU 492595 4	CAXU 492595 4	CAXU 492595 4	1	0	1					150	148		
SEAU 217646 1	SEAU 217646 1	SEAU 217646 1	SEAU 217646 1	SEAU 217646 1	1	0	1					153	152		
POCU 038995 4	POCU 038995 4	POCU 038995 4	POCU 038995 4	POCU 038995 4	1	1	0					154	153		
PONU 715503 6	PONU 715503 6	PONU 715503 6	PONU 715503 6	PONU 715503 6	1	1	1					154	152		
HLXU 234088 7	HLXU 234088 7	HLXU 234088 7	HLXU 234088 7	HLXU 234088 7	0	0	1					157	156		
HLXU 213495 2	HLXU 213495 2	HLXU 213495 2	HLXU 213495 2	HLXU 213495 2	0	1	0					159	157		
HLXU 240429 2	HLXU 240429 2	HLCU 240429 2	HLXU 240429 2	HLXU 240429 2	0	0	1					161	160		
HLXU 209377 6	HLXU 209377 6	HLOU 209377 6	HLOU 209377 6	HLOU 209377 6	0	0	0					162	161		
HLXU 425720 0	HLXU 425720 0	HLXU 425720 0	HLXU 425720 0	HLXU 425720 0	1	1	1					165	163		
FSCU 620177 9	FSCU 620177 9	FSCU 620177 9	FSCU 620177 9	FSCU 620177 9	1	1	1					181	179		
PONU 731558 2	PONU 731558 2	PONU 731558 2	PONU 731558 2	PONU 731558 2	1	0	1					188	186		
PONU 713823 4	PONU 713823 4	PONU 713823 4	PONU 713823 4	PONU 713823 4	1	1	0					193	191		
NDLU 401175 4	NDLU 401175 4	TIPU 400175 4	TIPU 400175 4	TIPU 400175 4	0	0	0					201	198		
MSKU 819414 5	MSKU 819414 5	MSKU 819414 5	MSKU 819414 5	MSKU 819414 5	1	1	1					204	202		
TRLU 524047 0	TRLU 524047 0	TRLU 524047 0	TRLU 524047 0	TRLU 524047 0	1	0	1					211	209		
KNLU 512181 3	KNLU 512181 3	KNLU 512181 3	KNLU 512181 3	KNLU 512181 3	1	1	1					214	212		
SEAU 859569 7	SEAU 859569 7	SEAU 859569 7	SEAU 859569 7	SEAU 859569 7	1	0	1					222	220		
POCU 012546 3	POCU 012546 3	POCU 012546 3	POCU 012546 3	POCU 012546 3	0	0	1					225	224		
OCLU 904790 2	OCLU 904790 2	OCLU 904790 2	OCLU 904790 2	OCLU 904790 2	0	0	0					226	225		
???? 624777 ?	INBU 524778 0	?GOU 2554?? ?	@GOU 2554?? ?	@GOU 2554?? ?	0	0	0	1				229	227		
MDLU 400365 6	NDLU 400365 6	NDLU 400365 6	NDLU 400365 6	NDLU 400365 6	0	0	1			1		229	227		
TGHU 734139 3	TGHU 734139 3	TGHU 734139 3	TGHU 734139 3	TGHU 734139 3	1	0	0					233	231		
ITLU 519702 1	ITLU 519702 1	ITLU 519702 1	ITLU 519702 1	ITLU 519702 1	0	0	1					233	231		
HLXU 423907 9	HLXU 423907 9	HLXU 423907 9	HLXU 423907 9	HLXU 423907 9	1	1	1					237	235		
HLXU 610355 9	HLXU 610355 9	HLXU 610355 9	HLXU 610355 9	HLXU 610355 9	1	1	1					241	239		
HLXU 605422 2	HLXU 605422 2	HLXU 605422 2	HLXU 605422 2	HLXU 605422 2	1	1	1					241	239		
GATU 437815 0	GATU 437815 0	GATU 437815 0	GATU 437815 0	GATU 437815 0	0	1	0					244	242		
HLXU 401289 7	HLXU 401289 7	???? ????? ?	*HPU 440128 9	MLCU 401289 6	0	0	0			1		244	242		
HLXU 434760 1	HLXU 434760 1	HLXU 434760 1	HLXU 434760 1	HLXU 434760 1	1	1	1					248	245		
HLXU 616908 9	HLXU 616908 9	HLXU 616908 9	HLXU 616908 9	HLXU 616908 9	1	1	1					248	245		
HLXU 454238 8	HLXU 454238 8	HLXU 454238 8	HLXU 454238 8	HLXU 454238 8	1	1	1					251	249		
HLXU 608876 8	HLXU 608876 8	HLXU 608876 8	HLXU 608876 8	HLXU 608876 8	1	1	1					251	249		
AJ?U 080145 7	AJCU 080145 3	AJLU 801457 ?		AJLU 801457 ?	0	0	0			1		254	253		
CLHU 232789 0	CLHU 232789 0	CLHU 232789 0	CLHU 232789 0	CLHU 232789 0	1	1	0					255	254		
TRLU 498410 1	TRLU 498410 1	TRLU 498410 1	TRLU 498410 1	TRLU 498410 1	1	1	1					255	253		
CAXU 955040 2	CAXU 955040 2	CAXU 955040 2	CAXU 955040 2	CAXU 955040 2	1	1	0					259	257		
SEAU 811191 4	SEAU 811191 4	SEAU 811191 4	SEAU 811191 4	SEAU 811191 4	1	0	1					259	257		
SEAU 221625 0	SEAU 221625 0	SEAU ????? ?	SEAU ????? ?	SEAU 221625 0	0	0	0					261	260		
TTNU 302209 ?	TTNU 302209 ?	TTNU 302209 ?	TTNU 302209 ?	TTNU 302209 ?	0	0	1			1		262	261		
MAEU 819543 6	MAEU 819543 6	MAEU 819543 6	MAEU 819543 6	MAEU 819543 6	1	1	0					262	260		
CRLU 516172 9	CRLU 516172 9	CRLU 516172 9	CRLU 516172 9	CRLU 516172 9	1	1	1					266	264		
TRIU 956012 2	TRIU 956012 2	TRIU 956012 2	IRIU 956012 2	TRIU 956012 2	1	0	0					266	264		
MAEU 608688 4	MAEU 608688 4	MAEU 608688 4	MAEU 608688 4	MAEU 608688 4	0	0	0					269	267		
TRLU 537622 0	TRLU 537622 0	TRLU 537622 0	TRLU 537622 0	TRLU 537622 0	0	0	1					274	271		
POCU 702477 3	POCU 702477 3	POCU 702477 3	POCU 702477 3	POCU 702477 3	1	1	1					274	271		
CLHU 809860 0	CLHU 809860 0	CLHU 809860 0	CLIU 809860 0	CLRU 809860 0	1	0	0					277	275		
NYKU 699639 8	NYKU 699639 8	NYKU 699639 8	NYKU 699639 8	NYGU 699639 8	1	0	0					277	275		
GLDU 205350 4	GLDU 205350 4	GLDU 205350 4	GLDU 205350 4	GLOU 205350 4	1	0	0					279	278		
POCU 060003 3	POCU 060003 3	POCU 060003 3	POCU 060003 3	POCU 060003 3	1	1	0					281	280		
NYKU 243729 9	NYKU 243729 9	NYKU 243729 9	NYKU 243729 9	NYKU 243729 9	1	0	1					283	282		
MSKU 202198 6	MSKU 202198 6	MSKU 202198 6	MSKU 202198 6	MSKU 202198 6	1	1	0					284	283		
GSTU 978157 4	GSTU 978157 4	GSTU 978157 4	GSTU 978157 4	GSTU 978157 4	1	1	1					287	285		
KN?? 729672 2	KNLU 512969 2	???U 512969 ?	CGIU 512962 2	KNLU 512969 7	0	0	0			1		292	289		
NYKU 672377 3	NYKU 672377 3	NYKU 672377 3	NYKU 672377 3	NYKU 672377 3	1	1	1					295	293		

AEI/OCR System Integration



Acceptance Tests Form

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID - Code ID - C2		Invalid	Invalid	# Image	# Image
2001-08-24	04:23:21	150	00:11:23	308	308	Invalid	Invalid	C1	C2	C1	C2
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match				
TTNU 957464 6	TTNU 957464 6	TTNU 957464 6	TTNU 957464 6	TTNU 957464 6	1	1	1			299	297
PONU 727747 7	PONU 727747 7	PONU 727747 7	PONU 727747 7	PONU 727747 7	1	1	1			302	300
KNLU 342361 9	KNLU 342361 9				0	0	0			305	304

Nb. of containers : 132

Match Code ID : 92

Nb. Of Invalid C1 : 10

Match Code ID C1 : 68

Nb. Of Invalid C2 : 4

Match Code ID C2 : 69

Nb. Of Invalid : 3

Perfect match code 40

	C1	C2	PoM
Accuracy :	55.738%	53.906%	71.318%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 151

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2							
2001-08-24	04:58:14	151	00:01:11	39	39							
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
MWCU 609169 9	MWCU 609169 9	MWCU 609169 9		MWCU 609169 9	1	0	1				8	11
CAXU 073127 ?	CAXU 473137 3				0	0	0	1			15	17
CAXU 407328 8	CAXU 407328 8	CAXU 403328 8		CAXU 403328 8	0	0	0				21	24
MSAU 560399 6	MSAU 560399 6	ISAU 560399 1	ISAU 560399 1	MSAU 560399 6	0	0	1				21	24
INBU 351625 8	INBU 351625 8	INBU 351625 8	INBU 351625 8	INBU 351625 8	1	1	1				27	29
KNLU 341655 9	KNLU 341655 9	MNLU 341655 9		MNLU 341655 9	0	0	0				29	30
SEAU 848311 0	SEAU 848311 0				0	0	0				34	36
MSAU 543179 4	MSAU 543179 4				0	0	0				34	36

Nb. of containers : 8

Match Code ID : 2

Nb. Of Invalid C1 : 1

Match Code ID C1 : 1

Nb. Of Invalid C2 : 0

Match Code ID C2 : 3

Nb. Of Invalid : 0

Perfect match code : 1

	C1	C2	PoM
Accuracy :	14.286%	37.500%	25.000%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 159

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2
2001-08-25	03:21:21	159	00:04:42	350	328

Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
HLCU 201475 6	HLCU 201475 6	HLCU 201475 6	HLCU 201475 6	HLCU 201475 6	1	1	0				12	14
???? 022487 3	???? 022487 3	LGIU 465137 ?		LGIU 465137 ?	0	0	0	1	1	1	17	18
HLXU 2?1227 5	HLXU 211227 5	HLXU 211227 5	HLXU 211227 5	HLXU 291226 5	1	0	1	1			19	20
HLXU 440780 3	HLXU 440780 3	HLXU 440780 3	HLXU 440780 3	HLXU 440780 3	1	1	1				22	25
HLCU 462979 ?	HLCU 462979 ?	HLCU 462979 ?	HLCU 462979 ?	HLCU 462979 ?	0	0	0	1	1	1	27	30
HLXU 407318 3	HLXU 407318 3	HLXU 407318 3	HLXU 407318 3	MLXU 407318 3	1	0	1				27	30
HLXU 461072 3	HLXU 461072 3	HLXU 461072 3	HLXU 461072 3	HLXU 461072 3	1	0	1				31	35
HLXU 424490 1	HLXU 424490 1	HLXU 424490 1	HLXU 424490 1	HLXU 424490 1	1	1	0				36	39
HLXU 606603 3	HLXU 606603 3	HLXU 606603 3	HLXU 606603 3	HLXU 606603 3	1	1	0				42	45
HLXU 438351 1	HLXU 438351 1	HLXU 438351 1	HLXU 438351 1	HLXU 438351 1	1	1	0				42	45
HLCU 410882 8	HLCU 410882 8	HLCU 410882 8	HLCU 462459 ?	HLCU 410882 8	1	0	1				47	50
HLXU 402528 8	HLXU 402528 ?	HLXU 402528 ?		HLXU 402528 6	0	0	0		1	1	47	50
HLCU 463305 ?	HLCU 463305 ?	HLCU 463307 ?	HLCU 463307 ?	HLCU 463307 ?	0	0	0	1	1	1	51	55
HLCU 423778 5	HLCU 423778 5	HLCU 423778 5	HLCU 423778 5	HLCU 423768 5	0	0	0				51	55
HLCU 462459 ?	HLCU 462459 ?		HLCU 462459 ?	HLCU 462459 ?	0	0	0	1	1	1	56	
HLXU 416546 4	HLXU 416546 4	HLXU 416546 4	HLXU 416546 4	HLXU 416546 4	1	1	0				56	
HLXU 435078 1	HLXU 435078 1	MLXU 435078 1	MLXU 435078 1	MLXU 435078 1	0	0	0				61	
HLXU 404526 3	HLXU 404526 3	HLXU 404526 3	HLXU 404526 3	HLXU 404526 3	1	0	1				66	61
HLXU 437861 8	HLXU 437861 8	HLXU 437861 8	HLXU 437861 8	HLXU 437861 8	1	0	1				71	65
HLCU 412864 9	HLCU 412864 9	HLCU 412864 9	HLCU 341286 4	HLLU 412864 0	0	0	0			1	76	69
HLCU 428064 7	HLCU 428064 7	HLCU 428064 7	HLCU 428064 7	HLCU 428064 7	1	1	1				80	74
HLXU 456742 1	HLXU 456742 1	MLXU 456742 1	MLXU 456742 1	MLXU 456742 1	0	0	0				80	74
HLXU 438489 0	HLXU 438489 0	HLXU 438489 0	HLXU 438489 0	HLXU 438489 0	1	1	0				85	78
HLXU 405850 5	HLXU 405850 5	HLXU 405850 5	HLXU 405850 5	HLXU 405850 5	0	0	1			1	85	78
HLXU 605363 2	HLXU 605363 2	HLXU 605363 2	HLXU 605363 2	HLXU 605363 9	1	0	1				91	84
OOLU 510382 1	OOLU 510382 1	OOLU 510382 1	OOLU 510382 1	OOLU 510302 1	1	1	1				91	84
OOLU 802113 6	OOLU 802113 6	OOLU 802113 6	OOLU 802113 6	OOLU 802113 6	1	1	0				96	90
HLXU 458499 4	HLXU 456499 4	MLXU 456499 0	MLXU 456499 4	MLXU 456499 4	0	0	0			1	96	90
HLXU 453681 6	HLXU 453681 6	HLXU 453681 6	HLXU 453681 6	HLXU 753681 6	1	0	1				102	96
HLCU 422371 3	HLCU 422371 3	HLCU 422371 3	HLCU 422371 3	HLCU 422371 3	1	1	1				102	96
OOLU 516043 6	OOLU 516043 6	OOLU 516043 6	OOLU 516043 6	OOLU 516043 8	1	0	1				108	102
OOLU 800121 1	OOLU 800121 1	OOLU 800121 1	OOLU 800121 1	OOLU 800121 1	1	1	1				113	106
HLXU 454415 9	HLXU 454415 9	HLXU 454415 9	HLXU 454415 9	HLXU 454415 9	1	1	1				117	111
HLXU 607479 0	HLXU 607479 0	HLXU 607479 0	HLXU 607479 0	HLXU 607479 0	1	1	1				122	116
OOLU 800146 4	OOLU 800146 4	OOLU 800146 4	OOLU 800146 4	OOLU 800146 4	1	1	1				127	120
HLXU 221187 4	HLX? 221187 4	HLX? 221187 4	HLX? 221187 4	HLX? 221187 4	0	0	0			1	133	125
SCZU 874860 2	SCZU 874860 2	SCZU 874860 2	SCZU 874860 2	SCZU 874860 2	1	1	1				134	126
SCZU 874883 4	SCZU 874883 4	SCZU 874883 4	SCZU 874883 4	SCZU 874883 4	1	1	1				139	131
HLXU 217506 2	HLXU 217506 2	HLXU 217506 2	HLXU 217506 2	HLXU 217506 2	1	1	1				140	132
SCZU 874886 0	SCZU 874886 0	SCZU 874886 0	SCZU 874886 0	SCZU 871886 0	1	0	1				145	137
HLCU 221687 0	HLCU 221687 0	HLCU 221687 0	HLCU 221687 0	HLCU 221687 0	1	1	1				146	139
MAEU 836399 3	MAEU 836399 3	MAEU 836399 3	MAEU 836399 3	MAEU 836399 3	1	1	0				151	145
INKU 230688 2	INKU 230688 2		INKU 230688 8	INKU 230688 8	0	0	0				151	145
TRIU 918743 0	TRIU 918743 0	TRIU 918743 0	TRIU 918743 0	TRIU 918743 0	1	0	1				156	150
INKU 230730 1	INKU 230730 1	INKU 230730 1	INKU 230730 1	INKU 230688 8	1	1	0				156	150
TTNU 925549 0	TTNU 925549 0	CTMU 925549 0	IWU 925549 0	?TMU 925549 0	0	0	0				162	156
SEAU 860651 2	SEAU 860651 2	SEAU 860651 2	SEAU 960651 ?	SEAU 860651 ?	1	0	1				162	156
PONU 711999 6	PONU 711999 6	PONU 711999 6	PONU 711999 6	@DNU 711+99 %	1	1	0				168	162
MSKU 818109 2	MSKU 818109 2	MSKU 818109 2	MSKU 818109 2	MSKU 818109 2	1	1	1				168	162
MSKU 800167 3	MSKU 800167 3	MSKU 800167 3	MSKU 800167 3	MSKU 800167 3	1	1	0				174	168
TTNU 955908 7	TTNU 955908 7	TTNU 955908 7	TTNU 955908 7	TTNU 955908 7	1	1	1				174	168
PONU 718601 6	PONU 718601 6	PONU 718601 6	PONU 718601 6	PONU 718601 6	1	1	1				181	175
CAXU 491272 5	CAXU 491272 ?	CAXU 491272 ?	CAXU 491272 ?	CAXU 491272 %	0	0	0				181	175
SEAU 836143 0	SEAU 836143 0				0	0	0		1		186	180
CRXU 931097 8	?RXU ?31097 8	CRXU 931097 8	CRXU 931097 8	@RXU 931097 1	1	1	0		1		186	180
SEAU 838523 7	SEAU 838523 7				0	0	0				192	186
MAEU 82116? 5	?AEU ?21164 5				0	0	0	1	1	1	192	186
PONU 748357 0	PONU 748357 0	PONU 748357 0	PONU 748357 0	PONU 748357 0	1	1	0				198	
APMU 801290 0	APMU 801290 0	APMU 801200 0	APMU 801200 0	APMU 801200 0	1	1	0				198	
KNLU 507699 3	KNLU 507699 3	KNLU 507699 3	KNLU 507699 3	KNLU 507699 3	1	1	0				203	
SEAU 838228 5	SEAU 838228 5				0	0	0				203	
GLDU 057711 7	GLDU 057711 7	GLDU 057711 7	GLDU 057711 7	GLDU 057711 7	1	1	0				208	
MAEU 453168 2	MAEU 453168 2	MALU 453168 2	MALU 453168 2	MALU 453168 2	0	0	0				208	
TTNU 956922 8	TTNU 956922 8	??NU 956922 8	@?NU 956922 8	@?NU 956922 8	0	0	0				213	

AEI/OCR System Integration



Acceptance Tests Form

MOVE 159

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2							# Image C1	# Image C2
2001-08-25	03:21:21	159	00:04:42	350	328	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid			
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid			
INBU 489300 3	INBU 489300 3	INBU 489300 3	INBU 489300 3	INBU 489300 3	1	1	0						213
TEXU 545753 4	TEXU 545753 4	TEXU 545753 4	TEXU 545753 4	TEXU 545753 4	1	1	0						218
PONU 738489 7	PONU 738489 7	PONU 718419 0	PONU 738489 7	PONU 738489 7	0	1	0						218
OCLU 701724 6	OCLU 701724 6	OCLU 771724 6	OCLU 701724 6	OCLU 701724 6	0	1	0						224
OCLU 137603 8	OCLU 137603 8	OCLU 137603 8	OCLU 137603 8	OCLU 137603 8	1	1	1						224
TTNU 982392 3	TTNU 982392 3	TTNU 982392 3	TTNU 982392 3	TTNU 982392 3	0	0	0						229
TTNU 916013 7	TTNU 916013 7	TTNU 916013 7	TTNU 916013 7	TTNU 916013 7	1	0	1						229
INKU 229256 2	INKU 229256 2	INKU 229256 2	INKU 229256 2	INKU 229256 2	1	1	1						233
MSKU 808882 1	MSKU 808882 1	MSKU 808882 1	MSKU 808882 1	MSKU 808882 1	1	1	1						233
MAEU 801025 5	MAEU 801025 5	MAEU 801025 5	AAEU 801025 5	MAEU 801025 5	1	1	1						238
PONU 718119 0	PONU 718119 0	PONU 718119 0	PONU 718119 0	PONU 718119 0	1	1	0						238
TRIU 935442 0	TRIU 935442 0	TRIU 935442 0	TRIU 935442 0	TRIU 935442 0	1	0	1						243
FRLU 961233 5	FRLU 961233 5	FRLU 961233 5	FRLU 961233 5	FRLU 961233 5	1	0	1						243
MSKU 817853 0	MSKU 817853 0	MSKU 817853 0	MSKU 817853 0	MSKU 817853 0	0	1	0						249
SCMU 431016 0	SCMU 431016 0	SCMU 431016 0	SCMU 431016 0	SCMU 431016 0	1	1	0						249
MSKU 807139 3	MSKU 807139 3	MSKU 807139 3	MSKU 807139 3	MSKU 807139 3	1	1	0						254
MAEU 815496 7	MAEU 815496 7	UAEU 815496 7	MAEU 815496 7	UAEU 815496 7	0	0	0						254
TGHU 702091 6	TGHU 702091 6	TGHU 702117 ?	TGHU 702091 6	TGHU 702117 ?	0	0	0						259
PONU 718273 0	PONU 718273 0	PONU 718273 0	PONU 718273 0	POHU 718273 0	1	1	0						259
APMU 800950 6	APMU 800950 6	APMU 800950 6	APMU 800950 6	APMU 800950 6	1	1	0						264
PONU 736387 3	PONU 736387 3	POMU 736387 ?	PONU 736387 3	POMU 736387 ?	0	0	0		1				264
	INKU ?2?5?8 1				0	0	0		1				240
	KNLU 512111 4	KNLU 512111 4	KNLU 512111 4	KNLU 512111 4	1	0	1		1	1			240
	CATU 809345 7	GATU 809345 7	MAEU 725282 4	@ATU 809345 7	0	0	0		1				246
	MAEU 725282 4	MAEU 725406 7	MAEU 725282 4	MAEU 725282 4	0	0	0		1				246
TRLU 553387 0	TRLU 553387 0	TRLU 553387 0	TRLU 553387 0	TRLU 553387 0	1	1	1						270
TTNU 935857 0	TTNU 935857 0	TTNU 935857 0	TTNU 935857 0	TTNU 935857 0	1	0	1						270
INKU 230199 9	INKU 230199 9	?NNU 301999 ?	@@@U 301999 %	@NNU 301999 %	0	0	0						275
TRIU 901479 6	TRIU 901479 6	TRIU 901479 6	TRIU 901479 6	TRIU 901479 6	1	1	1						275
MAEU 823429 7	MAEU 823429 7	MAEU 823429 7	MAEU 223420 7	MAEU 823429 7	1	0	1						280
TRIU 986290 3	TRIU 986290 3	TRIU 9862?? ?	TRIU 9862?? %		0	0	0						291
OCLU 121666 2	OCLU 121666 2	OCLU 421666 2	OCLU 421666 2	OCLU 421666 2	0	0	0						296
CAXU 499422 0	CAXU 499422 0	CAXU 499422 0	CAXU 499422 0		1	1	0						305
PONU 717949 1	PONU 717949 1	PONU 717949 1	PONU 717949 1	PONU 717949 1	1	1	1						311
SEAU 847711 7	SEAU 847711 7	SEAU 84771? ?	SEAU 84776% %	SEAU 84771% %	0	0	0						321
TTNU 916537 6	TTNU 916537 6	TTNU 916537 8	TTNU 916537 8	TTNU 916537 8	0	0	0						327
MSKU 818918 0	MSKU 818918 0	MSKU 818918 0	MSKU 818918 0	MSKU 818918 0	1	1	0						337

Nb. of containers : 101 Match Code ID : 64 Nb. Of Invalid C1 : 11
 Match Code ID C1 : 48 Match Code ID C2 : 42 Nb. Of Invalid C2 : 10
 Match Code ID C2 : 42 Nb. Of Invalid : 9

Perfect match code : 21

	C1	C2	PoM
Accuracy :	53.333%	46.154%	69.565%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 160

DATE		MOVE TIME		MOVE	TIME TAKEN	IMAGES C1		IMAGES C2				
2001-08-25		05:51:58		160	00:12:48	336		335				
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	# Image Invalid	# Image C1	# Image C2
GATU 406935 0	GATU 406935 0	GATU 406935 0	GATU 406935 0	GATU 406935 0	1	1	1				13	10
GATU 407070 4	GATU 407070 4	GATU 407070 4	GATU 407070 4	GATU 407070 4	1	1	1				17	14
SEAU 221429 0	SEAU 221429 0	SEAU 021429 0	SEAU 021429 0	SEAU 021429 0	0	0	0				21	18
TRLU 303776 2	TRLU 303776 2	TRLU 303776 2	TRLU 303776 2	TRLU 303776 2	1	1	0				22	19
HLCU 456143 3	HLCU 456143 3	HLCU 456143 3	HLCU 456143 3	HLCU 456143 3	1	1	0				26	23
HLXU 434287 3	HLXU 434287 3	HLXU 434287 3	HLXU 434287 3	HLXU 434287 3	1	1	1				26	23
HLXU 445171 9	HLXU 445171 9				0	0	0				31	27
H?CU 400200 4	HLCU 400?0? ?				0	0	0	1	1	1	31	27
HLXU 403427 4	HLXU 403427 4	HLXU 403427 4	HLXU 403427 4	HLXU 140342 7	1	1	0				35	32
HLXU 409611 0	HLXU 409611 0	HLXU 409611 0	HLXU 409611 0	HLXU 409611 0	1	1	1				35	32
HLCU 457993 6	HLCU 45?99? 6	HLCU 457993 6	HLCU 457993 6	HLCU 450996 3	1	1	0		1		40	36
HLXU 410345 7	HLXU 410345 7	HLXU 410345 7	HLXU 410345 7	HLXU 410345 7	1	1	1				49	45
HLXU 437417 1	HLXU 437417 1	HLXU 437417 1	HLXU 437417 1	HLXU 437417 1	1	1	1				56	53
KNLU 472221 3	KNLU 472221 3	KNLU 472221 3	KNLU 472221 3	KNLU 472221 3	1	1	1				71	67
MWCU 660342 9	MWCU 660342 9	MWCU 660342 9	MWCU 660342 9	MWCU 660342 9	1	1	0				71	67
APMU 552833 9	APMU 552833 9	APMU 552833 9	APMU 552833 9	APMU 552833 9	1	1	1				75	71
MWCU 614066 4	MWCU 614066 4	MWCU 614066 4	VVCU 614066 4	MWCU 614066 4	1	0	1				75	71
POCU 105318 3	POCU 105318 3	POCU 105318 3	POCU 68+431 0	POCU 105318 3	1	0	1				80	76
HLXU 227855 9	HLXU 227855 9				0	0	0				82	80
HLCU 260671 3	HLCU 260671 3	HICU 200671 3	HICU 200671 3		0	0	0				84	81
HLXU 233563 0	HLXU 233563 0	HLXU 232563 0		HLXU 232563 0	0	0	0				87	84
HLXU 210721 6	HLXU 210721 6				0	0	0				88	85
HLXU 609639 9	HLXU 609639 9	HLXU 609639 9		HLXU 609639 9	1	0	1				88	84
HLXU 213416 6	HLXU 213416 6	HLXU 213416 6		HLXU 213416 6	1	0	1				92	89
UTTU 241151 0	UTTU 241151 0				0	0	0				92	90
HLXU 453297 6	HLXU 453297 6	HLXU 453297 6	HLXU 450297 6	HLXU 453297 6	1	0	1				92	89
TTNU 475272 9	TTNU 475252 9	TTNU 475252 9	TTNU 475252 9	TINU 475252 9	1	0	1	1			97	93
UXXU 452109 4	UXXU 452109 4	UXXU 452109 4	UXXU 452109 4	UXXU 452109 4	1	1	1				101	97
TRIU 948788 6	TRIU 948788 6	TRIU 948788 6	TRIU 948788 6	TRIU 948788 6	1	1	1		1		105	101
SCZU 737638 9	SCZU 737638 9	SCZU 737638 9	SCZU 737638 9	SCZU 737638 3	1	1	0				107	104
CRXU 248169 1	CRXU 248169 1	CRXU 248169 1	CRXU 248169 1	CRXU 248169 1	1	1	0				108	105
KNLU 503050 2	KNLU 503050 2	KNLU 503050 2	KNLU 503050 2	KNLU 500056 2	1	1	0				111	108
MAEU 705190 1	MAEU 705190 1	MAEU 705190 1	MAEU 705190 1	MAEU 705190 1	1	1	0				114	111
OCLU 146127 4	OC?U 14612? 4	OCCU 186127 4		OC+U 186127 4	0	0	0		1		117	114
MAEU 675264 0	MAEU 675264 0				0	0	0				120	117
CAXU 601113 5	CAXU 601113 5				0	0	0				121	118
GATU 818215 3	GATU 818215 3	GATU 818215 3	GATU 818215 3	GATU 818215 3	1	1	1				124	121
HLXU 451489 0	HLXU 451489 0	HLXU 451489 0	HLXU 451489 0	HLXU 451489 0	1	1	1				124	121
HLXU 223251 0	HLXU 223251 0	HLXU 223251 0	HLXU 223251 0	HLXU 223251 0	1	1	1				127	124
HLXU 261130 9	HLXU 261130 9	HLXU 261110 9	HLXU 261110 9	HLXU 261110 9	0	0	0				128	125
HLXU 612366 3	HLXU 612366 3	HLXU 612366 3	HLXU 612366 3	HLXU 612366 3	1	1	1				128	124
HLXU 200407 5	HLXU 200407 5	HLXU 200407 5	HLXU 200407 5	HLXU 200407 5	1	0	1				130	128
HLXU 234732 5	HLXU 234732 5	HLXU 234732 5	HLXU 234732 5	HLXU 234732 5	1	1	0				132	129
HLXU 432801 0	HLXU 432801 0	HLXU 432801 0	HLXU 432801 0	HLXU 432801 0	1	1	1				132	128
HLXU 417247 9	HLXU 417247 9	HLXU 417247 9	HLXU 417247 9	HLXU 417247 9	1	1	1				135	132
HLCU 457957 7	HLCU 457957 7	HLCU 457957 7	HLCU 457957 7	HLCU 457957 7	1	1	1				135	132
HLXU 414379 0	HLXU 414379 0	HLXU 414379 0	HLXU 414379 0	HLXU 414379 1	1	1	0				139	135
HLXU 452128 8	HLXU 452128 8	HLXU 452128 8	HLXU 452128 8	HLXU 452128 8	1	1	0				139	135
TTNU 325714 0	TTNU 325714 0	TTNU 325714 0	TTNU 325714 0	TTNU 325714 0	1	0	1				142	139
MAEU 791892 6	MAEU 791892 6	MAEU 791892 6	MAEU 791892 6		1	0	0	1			143	140
MLCU 474444 7	MLCU 474444 7	MLCU 474444 7	MLCU 474444 7	MLCU 474444 7	1	1	1				143	139
CLHU 407927 9	CLHU 407927 9	CLHU 407927 9	CLHU 407927 9	CLHU 407927 9	1	1	1				147	144
INBU 481567 5	INBU 481567 5	INBU 481567 5	INBU 481567 5	INBU 481567 6	1	0	0				147	144
POCU 110253 9	POCU 110253 9	POCU 1????? 9	POCU 102531 9	POCU 110253 9	0	0	1				151	148
OCLU 137684 5	OCLU 137684 5	OCLU 137684 5	OCLU 137684 5	OCLU 137684 5	1	1	1				151	148
PONU 072214 3	PONU 072214 3	PONU 077714 3		PONU 077714 3	0	0	0				154	152
GLDU 039031 6	GLDU 039031 6	GLDU 039031 6	GLOU 039031 6		1	0	0				155	153
TTNU 466678 1	TTNU 466678 1	TITU 466678 1	*ITU 466678 1	@IRU 666678 1	0	0	0				155	152
SEAU 217269 8	SEAU 217269 8				0	0	0				158	156
GESU 211867 7	GESU 211867 7				0	0	0				159	157
?LDU 056488 7	GLDU 056488 7	CLOU 056488 7	@LOU 056488 7	GLOU 056488 7	0	0	0	1			163	159
MAEU 733365 4	MAEU 733365 4	MAEU 733365 4	MAEU 733165 4	MAEU 733365 4	1	0	1				163	159
APMU 800938 4	?PMU 800938 4	?PMU ?00938 4	@PMU 600938 4	@PMU 800938 4	0	0	0		1		166	163
APMU 452017 0	APMU 452017 0	APMU 452017 0	APMU 457017 0	APMU 452017 0	1	0	1				166	163

AEI/OCR System Integration



Acceptance Tests Form

MOVE 160

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2							
2001-08-25	05:51:58	160	00:12:48	336	335	Code ID - C1	Code ID - C2	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match					
TRLU 414560 6	TRLU 414560 6	TRLU 414567 6	TRLU 414560 0	TRLU 414566 0	0	0	0				170	166
PONU 739375 4	PONU 739375 4	PONU 739375 4	PONU 739375 4	PONU 139315 4	1	1	0				170	166
ICSU 494974 4	ICSU 494974 4	ICSU 494974 4	ICSU 494974 4	ICSU 494974 4	1	0	1				172	170
CAXU 250834 ?	CAXU 250834 0	CAXU 250834 0	CAXU 250834 0	CAXU 250834 0	1	0	0	1			173	171
GATU 102674 0	GATU 102674 0	GATU 102674 0	GATU 002915 0	GATU 102674 0	1	0	1				176	174
TOPU 311035 ?	TOPU 311035 ?	TOPU 311035 3	IOPU 311035 3	IOPU 311035 3	0	0	0	1	1	1	177	175
GSTU 737795 9	GSTU 737795 9	GSTU 737795 9	GSTU 737795 9	GSTU 737795 9	1	1	1				177	174
GATU 105238 0	GATU 105238 0	GATU 105238 0	GATU 105238 0	GATU 105238 0	0	0	1				180	178
GATU 002915 3	GATU 002915 3	GATU 002915 3	GATU 002915 3	GATU 002915 3	0	0	0				181	179
POCU 111171 5	POCU 111171 5	POCU 111171 5	POCU 111711 5	POCU 111171 5	1	0	1				181	178
GSTU 286088 2	GSTU 286088 2	GSTU 286088 2	GSTU 286088 2	GSTU 286088 2	1	0	1				185	183
GATU 082751 2	GATU 082751 2	GATU 082751 2	GATU 082751 2	GATU 105238 0	1	1	0				186	184
PONU 136568 9	PONU 136568 9	PONU 136568 9	PONU 136568 9	PONU 136568 9	1	1	1				186	183
SAMU 220100 0	SAMU 220100 0	SAHU 220100 0	SAHU 220100 0	SAHU 220100 0	0	0	0				189	187
APMU 276349 0	APMU 276349 0	APMU 276349 0	APMU 276349 0	APMU 276349 0	1	1	0				190	188
MAEU 603533 6	MAEU 603533 6	MAEU 603533 6	MAEU 603533 6	MAEU 603533 6	1	1	1				195	191
KNLU 510254 1	KNLU 510254 1	KNLU 510254 1	KNLU 510254 1	KNLU 510254 1	1	1	1				195	191
MLCU 431730 0	MLCU 431730 0	MLCU 431730 0	MLCU 431730 0	MLCU 431730 0	1	1	1				199	196
GLDU 057942 3	GLDU 057942 3	GLDU 057942 3	GLOU 057942 3	OULU 6579+2 0	1	0	0				202	199
SEAU 847474 0	SEAU 847474 0	SEAU 847474 0	SEAU 847474 0	SEAU 84+474 0	1	0	0				206	203
TOPU 311008 1	TOPU 311008 1	TOPU 311008 1	TOPU 311008 1	TOPU 311008 1	1	0	1				209	207
GATU 075643 0	GATU 075643 0	GATU 075643 0	GATU 075643 0	GATU 075643 0	1	1	0				210	208
MAEU 577481 4	MAEU 577481 4	MAEU 577481 4	MAEU 577481 4	MAEU 511411 4	1	1	0				216	213
APMU 804586 4	APMU 804586 4	APMU 804586 4	APMU 804586 4	APMU 804586 4	1	1	1				219	216
GLDU 058870 2	GLDU 058870 2	GLDU 058870 2	GLDU 058870 2	GLDU 058870 2	1	1	0				222	219
CAXU 291710 0	CAXU 291710 0	CAXU 291710 0	CAXU 291710 0	CAXU 291710 0	0	0	0				286	284
SCMU 401029 2	SCMU 401029 2	SCMU 401029 2	SCMU 401029 2	SCMU 401079 2	1	0	0				289	286
POCU 113128 6	POCU 113128 6	POCU 113128 6	POCU 113112 8	POCU 113128 6	1	0	1				292	289
NYKU 608894 0	NYKU 608894 0	NYKU 608894 0	NYKU 608894 0	NYKU 608894 0	1	1	1				295	292
GLDU 096300 1	GLDU 096300 1	GLDU 096300 1	GLOU 096300 1	GLOU 096300 1	1	0	0				298	295
OCLU 131316 9	OCLU 131316 9	OCLU 131316 9	OCLU 131316 9	OCLU 131316 9	1	1	1				302	299
HLXU 446734 0	HLXU 446734 0	HLXU 446734 0	HLXU 446734 0	HLXU 446734 0	1	1	1				306	303
OOLU 575789 0	OOLU 575789 0	OOLU 575789 0	OOLU 575789 0	OOLU 575789 0	1	1	1				309	306
HLXU 445983 3	HLXU 445983 3	HLXU 445983 3	HLXU 445983 3	HLXU 445983 3	1	1	1				312	309
HLXU 610309 7	HLXU 610309 7	HLXU 610309 7	HLXU 610309 7	HLXU 610309 7	1	1	1				315	312
HLCU 456010 2	HLCU 456010 2	HLCU 456010 2	HLCU 456010 2	HLCU 456010 2	0	0	0				319	315
HLXU 608690 8	HLXU 608690 8	HLXU 608690 8	HLXU 608690 8	HLXU 608690 8	1	1	1				323	319
HLCU 215097 9	HLCU 215097 9	HLCU 215097 9	HLCU 215097 9	HLCU 215097 9	0	0	0				326	323
HLXU 202036 9	HLXU 202036 9	HLXU 202036 9	HLXU 202036 9	HLXU 202036 9	1	1	0				327	325
OOLU 351011 3	OOLU 351011 3	OOLU 351011 3	OOLU 351011 3	OOLU 351011 3	0	0	0				330	326
HLCU 212931 2	HLCU 212931 2	HLCU 212931 2	HLCU 212931 2	HLCU 212931 2	0	0	0				335	330

Nb. of containers : 105 Match Code ID : 76 Nb. Of Invalid C1 : 6
 Match Code ID C1 : 51 Match Code ID C2 : 50 Nb. Of Invalid C2 : 6
 Nb. Of Invalid : 2

Perfect match code : 31

	C1	C2	PoM
Accuracy :	51.515%	50.505%	73.786%

AEI/OCR System Integration



Acceptance Tests Form
MOVE 161

DATE		MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2						
2001-08-25		06:28:56	161	00:06:56	389	389						
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
TTNU 211508 0	TTNU 211508 0	TTNU 211508 0	TTNU 211508 0	TTNU 211508 0	1	1	0				10	12
MAEU 787834 0	MAEU 787834 0	MAEU 787834 0	MAEU 787834 0	MAEU 787834 1	1	1	0				12	13
GESU 204825 0	GESU 204825 0	GESU 204825 0	GESU 204825 0	GESU 204825 0	1	1	1				16	18
SCMU 202345 4	SCMU 202345 4	SCMU 202345 4	SCMU 202345 4	SCMU 202345 4	1	0	1				18	19
APMU 272345 4	APMU 272345 4	APMU 272345 5	APMU 272345 5	APMU 272345 5	0	0	0				23	24
TTNU 295842 ?	TTNU 295842 ?	TTNU 2958?? ?	TTNU 2958?? ?	TTNU 2958?? ?	0	0	0	1	1	1	24	26
PONU 718289 6	PONU 718289 6	PONU 718289 6	PONU 718289 6	PONU 718289 6	1	1	1				29	32
PONU 741233 0	PONU 741233 0	PONU 741233 0	PONU 741233 0	PONU 741233 0	0	0	0				29	32
PONU 739040 0	PONU 739040 0	PONU 739040 0	PONU 739040 0	PONU 739040 0	1	1	0				34	37
KNLU 512398 7	KNLU 512398 7	KNLU 512398 7	KNLU 512398 7	KNLU 512398 7	1	1	0				34	37
MAEU 452096 5	MAEU 452096 5	MAEU 452096 5	MAEU 452096 5	IAEU 452096 5	1	1	0				40	43
PONU 743618 3	PONU 743618 3	PONU 743618 ?	PONU 743618 ?	PONU 743618 ?	0	0	0				40	43
CLHU 822297 9	CLHU 822297 9	CLHU 822297 9	CLHU 822297 9	CLHU 822297 9	1	1	1				46	49
MAEU 450657 1	MAEU 450657 1	MAEU 450657 1	MAEU 450657 1	MAEU 450657 1	1	0	1				46	49
INBU 511710 ?	INBU 511710 ?	INBU 511710 7	INBU 511710 7	INBU 511710 %	1	0	1	1			52	55
KNLU 425851 9	KNLU 425851 9	KNLU 425851 9	KNLU 425851 9	BWLU 425851 9	1	0	1				52	55
POCU 113400 6	POCU 113400 6	POCU 113400 6	POCU 113400 6	POCU 113400 6	1	1	1				57	60
MAEU 701277 8	MAEU ?71277 8	KAEU 701277 8	KAEU 701277 8	KAEU 701277 8	0	0	0			1	63	66
APMU 804612 0	APMU 804612 0	APMU 804612 0	APMU 804612 0	APMU 804612 0	1	1	1				68	71
GATU 075240 8	GATU 075240 8	GATU 075240 8	GATU 075240 8	GATU 075240 8	0	0	0				73	74
PRSU 228184 2	PRSU 228184 2	PRSU 228184 2	PRSU 228184 2	PRSU 228184 2	0	0	0				74	76
TRIU 546549 3	TRIU 546549 3	TRIU 546549 3	TRIU 546549 3	TRIU 546549 3	0	0	0				76	79
TEXU 438644 1	TEXU 438644 1	TEXU 438644 1	TEXU 438644 1	TEXU 438644 1	1	1	0				81	84
FRLU 861588 0	FRLU 861588 0	FRLU 861588 0	FRLU 861588 0	FRLU 861588 0	1	1	1				81	84
NYMU 603348 5	NYMU 603348 5	NYMU 603348 5	NYMU 603348 5	NYMU 603348 5	0	0	0				87	90
INBU 468614 0	INBU 468614 0	INBU 468614 0	INBU 468614 0	INBU 468614 0	0	0	0				87	90
KNLU 467840 6	KNLU 467840 6	KNLU 467840 6	KNLU 467840 6	KNLU 467840 6	1	0	1	1			93	96
KNLU 432422 5	KNLU 432422 5	KNLU 432422 5	KNLU 432422 5	KNLU 432422 5	1	0	0				93	96
SEAU 428145 0	SEAU 428145 0	SEAU 428145 0	SEAU 428145 0	SEAU 428145 0	0	1	1				98	101
PONU 129360 8	PONU 129360 8	PONU 129360 8	PONU 129360 8	PONU 129360 8	1	0	1				98	101
GATU 433854 6	GATU 433854 6	GATU 433854 6	GATU 433854 6	GATU 433854 6	1	1	1				104	107
CMBU 408969 9	CMBU 408969 9	???U 407967 ?	C+HU 400969 9	***U 408966 %	0	0	0				104	107
SEAU 428231 2	SEAU 428231 2	SEAU 428231 2	SEAU 428231 2	SEAU 428231 2	1	1	1				110	113
POCU 420613 6	POCU 420613 6	POCU 420613 6	POCU 420613 6	POCU 420613 6	1	0	1				110	113
MAEU 253818 4	MAEU 253818 4	MAEU 253818 4	MAEU 253818 4	MAEU 253818 4	1	1	1				115	118
MA?? 700?21 7	MAEU 700122? 7				0	0	0	1	1	1	115	118
TGHU 417296 2	TGHU 417296 2	TGHU 417706 ?	TGHU 417706 %		0	0	0				121	124
MAEU 620613 ?	MAEU 620613 0	MAEU 620613 0	MAEU 620613 0	MAEU 620613 0	1	0	1	1			121	124
ITLU 538622 0	ITLU 538622 0	ITLU 538622 0	ITLU 538622 0	ITLU 538622 0	1	1	0				127	130
PONU 133027 6	PONU 133027 6	PONU 133027 6	PONU 133027 6	PONU 133027 6	1	0	1				127	130
TRIU 540363 4	TRIU 540363 4	TRIU 540363 ?	TRIU 540363 %		0	0	0				132	135
NDLU 401591 3	NDLU 401591 3	NDLU 401591 0	NDLU 401591 0	NDLU 401591 0	0	0	0				132	135
POCU 421034 7	POCU 421034 7	POCU 421034 7	POCU 421103 4	POCU 421034 7	1	0	1				138	141
TTNU 524253 5	TTNU 524253 5	TTNU 524253 5	TTNU 524253 5	TTNU 524253 5	1	0	1				138	141
PONU 712443 6	PONU 712443 6	PONU 712443 6	PONU 712443 6	PONU 712443 6	1	1	1				144	147
UESU 410301 0	UESU 410301 0	UE?U 410301 0	UEGU 410301 0	UESU 410301 0	0	0	1				144	147
PONU 714818 7	PONU 714818 7	PONU 714818 7	PONU 714818 7	PONU 714818 7	1	0	0				149	152
POCU 101315 4	POCU 101315 4	POCU 101315 4	POCU 101315 1	POCU 101315 4	1	0	1				149	152
KNLU 508382 1	KNLU 508382 1	KNLU 508382 1	KNLU 508382 1	KNLU 508382 1	1	1	1				155	158
SEAU 781220 5	SEAU 781220 5	SEAU 781220 5	SEAU 781220 5	SEAU 781220 5	1	1	1				155	158
INBU 314251 7	INBU 314251 7	INBU 314251 7	INBU 314251 7	INBU 314251 7	1	1	1				159	160
OCLU 139677 5	OCLU 139677 5	OCLU 139677 5	OCLU 139677 5	OCLU 139677 5	1	1	1				159	162
GLDU 212885 6	GLDU 212885 6	GLDU 212885 6	GLDU 212885 6	GLDU 212885 6	1	1	1				160	162
MSKU 231360 6	MSKU 231360 6	MSKU 231360 6	MSKU 231360 6	MSKU 231360 6	1	1	1				163	164
TTNU 450074 3	TTNU 450074 3	TTNU 450074 3	TTNU 450074 3	TINU 450074 3	1	1	0				163	166
MAEU 681757 2	MAEU 681757 2	MAEU 681757 2	MAEU 681757 2	MAEU 681757 2	1	1	1				164	166
TEXU 449515 0	TEXU 449515 0	TEXU 449515 0	TEXU 446516 0	TEXU 449515 0	1	0	1				167	170
KNLU 428667 6	KNLU 428667 6	KNLU 428667 6	KNLU 428667 6	KNLU 428667 6	1	0	1				167	170
OCLU 122570 4	OCLU 122570 4	OCLU 122570 4	OCLU 122570 4	OCLU 122570 1	1	1	0				171	174
NYKU 606652 9	NYKU 606652 9	NYKU 606652 9	NYGU 606652 9	NYMU 606652 9	1	0	0				171	174
PONU 711956 9	PONU 711956 9	PONU 711956 9	PONU 711956 9	PONU 711956 9	1	1	1				176	180
NYKU 650423 0	NYKU 650423 0	?Y?U 550422 0	NYMU 650423 0	MYKU 650425 0	0	0	0				176	180
MAEU 774920 9	MAEU 774920 9	MAEU 774920 9	MAEU 774920 9	MAEU 774920 9	0	0	0				181	183
SAMU 218844 3	SAMU 218844 3	SAMU 218844 3	SAMU 218844 3	SAMU 218844 3	1	1	0				183	184
MAEU 763893 0	MAEU 763893 0	MAEU 763893 0	MAEU 763893 0	MAEU 763893 0	0	0	0				184	186



Acceptance Tests Form

MOVE 161

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	# Image C1	# Image C2
2001-08-25	06:28:56	161	00:06:56	389	389						
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	# Image C1	# Image C2
MAEU 763893 0	MAEU 763893 0				0	0	0			184	186
KNLU 500250 0	KNLU 500250 0	KNLU 500250 0	KNLU 500250 0	KMLU 500250 0	1	1	0			187	190
PONU 709967 3	PONU 709967 3	PONU 709967 3	PO+U 7+9967 3	POMU 709967 ?	0	0	0	1		187	190
FSCU 419373 5	FSCU 419373 5	FSCU 419373 5	FSCU 419373 5	FSCU 419373 5	1	1	1			193	196
FRLU 961129 9	FRLU 961129 9	FRLU 961129 9	FRLU 961129 9	FRLU 961129 9	0	0	1	1		193	196
MAEU 611855 4	MAEU 611855 4	MAEU 611855 4	MAEU 611855 4	AAEU 611855 ?	1	1	0			199	202
TEXU 481681 4	TEXU 481681 4	TEXU 481681 4	TEXU 481681 4	TEXU 481681 4	1	1	1			199	202
INKU 289271 5	INKU 289271 5	INKU 289271 5	INKU 289271 5	IN@U 28921% %	1	1	0			212	215
KNLU 506060 0	KNLU 506060 0	KNLU 506060 0	KNLU 506060 0	KNLU 506060 0	1	1	1			212	215
MAEU 837744 6	MAEU 837744 6	MAEU 837744 6	MAEU 837744 6	KAEU 837744 6	1	1	0			218	221
GSTU 763793 2	GSTU 763793 2	GSTU 763793 2	GSIU 763793 6	GSTU 763793 2	1	0	1			218	221
NYKU 604154 1	NYKU 604154 1	?YKU 604154 1	NYKU 604154 1	MYKU 504154 1	0	0	0			224	227
POCU 706064 1	POCU 706064 1	POCU 706064 1	POCU 706064 1	POGU 706464 1	1	1	0			224	227
TOLU 158616 1	TOLU 158616 1	TOLU 158616 1	TOLU 158616 1	TOLU 158616 1	1	1	1			228	231
SEAU 864113 3	SEAU 864113 3	SEAU 864113 ?	SEAU 86411% %		0	0	0			232	235
MLCU 950116 2	MLCU 950116 2	MLCU 950116 2	MLCU 950116 2	MLCU 950116 2	1	1	1			237	240
PONU 742608 2	PONU 742608 2	PONU 742608 2	PUNU 742608 7	PONU 742608 2	1	0	1			237	240
TTNU 435081 2	TTNU 435081 2	TTNU 43508? ?	TTNU 43508% %	TTNU 43508% %	0	0	0			243	246
TRIU 902371 4	TRIU 902371 4	TRIU 902371 4	TRIU 902371 4	TRIU 902371 4	1	1	1			243	246
PONU 731198 8	PONU 731198 8	PONU 731198 8	PONU 731198 8	PONU 731198 8	1	1	1			248	251
KNLU 508603 4	KNLU 508603 4	KNLU 508603 4	KNIU 508603 9	KNLU 508603 4	1	0	0			248	251
TTNU 986503 0	TTNU 986503 0	??TU 986503 0	?TU 986503 0	?TU 986503 0	0	0	0			254	257
MAEU 832925 8	MAEU 832925 8	MAEU 832925 8	MAEU 83712? ?	MAEU 832925 8	1	0	1			254	257
PONU 721992 7	PONU 721992 7	PONU 721992 7	PONU 721992 7	POMU 721992 7	1	1	0			260	262
APMU 455508 9	APMU 455508 9	ZNMU 5089?? ?	ZNMU 5089?? ?		0	0	0			260	262
GSTU 872627 4	GSTU 872627 4	GSTU 872627 4	GSTU 872627 4	GSTU 872627 %	1	1	0			266	269
TTNU 964171 8	TTNU 964171 8	TTNU 964171 ?	TTNU 964171 %		0	0	0			266	269
TGHU 721849 7	TGHU 721849 7	TGHU 721849 7	TGHU 721849 7	TGHU 721849 7	1	1	1			273	276
TRIU 906461 0	TRIU 906461 0	TRIU 906461 0	IRIU 906461 0	IHIU 906491 %	0	0	0	1		273	276
TTNU 942414 2	TTNU 942414 2	TTNU 942414 2	TTNU 942414 2	TTNU 942414 %	1	0	0			280	282
MSKU 817372 8	MSKU 817372 8	MSKU 817372 8	MSKU 817372 8	MSKU 817372 8	1	1	1			280	282
TTNU 982784 7	TTNU 982784 7				0	0	0			285	288
PONU 736540 7	PONU 736540 7	PONU 736540 7	PONU 736540 7	PONU 736540 7	1	1	1			291	293
SEAU 847689 0	SEAU 843689 0	SEAU 848689 1	SEAU 840689 1	SEAU 843689 1	0	0	0	1		291	293
MAEU 724405 3	MAEU 724405 3	MAEU 724405 3	MAEU 724405 3	MAEU 724405 3	1	1	1			296	299
TTNU 936943 0	TTNU 936943 0	TTNU 936943 0	TTNU 93694% %	TINU 936943 0	1	0	0			296	299
INBU 492203 5	?NBU 492203 5	INBU 492203 5	INBU 492203 5	?NBU 922035 ?	0	0	0	1		302	304
TTNU 450477 5	TTNU 450477 5	TTNU 450477 5	TTNU 45047% %	??NU 450477 5	0	0	0	1		302	304
SEAU 846750 4	SEAU 846750 4	SEAU 846750 4	SEAU 846750 8	SEAU 846750 8	0	0	0			308	310
MSKU 819675 0	MSKU 819675 0	MSKU 819675 0	MSKU 819675 0	MSKU 819675 0	1	1	1			308	310
PONU 710806 0	PONU 710806 0	PONU 710806 0	PONU 710806 0	PONU 710806 0	1	1	1			314	316
MAEU 839710 2	MAEU 839710 2	MAEU 839710 2	MAEU 839710 2	MAEU 839710 2	1	1	1			314	316
TGHU 743853 1	TGHU 743853 1	TGHU 743853 1	TGHU 743853 %	TGHU 743853 %	1	0	1			320	323
TPHU 869184 0	TPHU 869184 0	TPHU 869184 0	FP IU 869184 0	TPHU 869184 0	1	0	1			320	323
CLHU 826097 9	CLHU 826097 9	CLMU 826097 9	CLMU 826097 9	CLMU 826097 9	0	0	0			326	329
PONU 720540 9	PONU 720540 9	PONU 720540 9	PONU 720540 9	POMU 720540 9	1	0	0			326	329
MSKU 802714 8	MSKU 802714 8	MSKU 802714 8	MSKU 802714 8	MSKU 802714 8	1	1	1			331	334
SEAU 857188 5	SEAU ?57188 5	SEAU 857188 5	SEAU 857188 5	SEAU 897680 1	1	1	0	1		331	334
PONU 131807 5	PONU 131807 5	PONU 131807 5	PONU 131807 5	PONU 131807 5	1	1	1			337	339
OCLU 135403 9	OCLU 135403 9	OCLU 135403 9	OCLU 135403 9	OCLU 135403 9	1	1	0			337	339
PONU 722024 0	PONU 722024 0	PONU 722024 0	PONU 722024 0	PONU 722024 0	1	0	1			342	344
GESU 418207 9	GESU 418207 9	GESU 418207 9	GESU 418207 9		1	1	0			345	348
PONU 142186 4	PONU 142186 4	PONU 142186 4	PONU 142186 4	PONU 142186 4	1	1	1			350	352
CLHU 820373 1	CLHU 820373 1	CLHU 820373 1	CLHU 820373 %	CLHU 820373 1	1	0	1			354	357
ITLU 545476 8	ITLU 545476 8	ITLU 545476 8	ITLU 545476 8	ITLU 545675 8	1	1	0			358	361
KNLU 503710 6	KNLU 503710 6	KNLU 503710 6	KNLU 503710 6	KMLU 503710 6	1	1	0			363	366
MLCU 960087 0	MLCU 960087 0	MLCU 960087 0	MLCU 960087 0	MLCU 960087 0	1	1	1			368	370
PONU 709260 9	PONU 709860 9	PONU 709860 9	PONU 709860 9	MONU 709860 9	0	0	0	1		373	376
MAEU 808001 5	MAEU 808001 5	MAEU 808001 5	MAEU 808015 2	VAEU 808001 5	1	0	0			378	381
TRLU 615837 2	TRLU 615837 2	TRLU 615837 2	TRLU 615837 2		1	1	0			384	386

Nb. of containers : 124 Match Code ID : 89 Nb. Of Invalid C1 : 11
 Match Code ID C1 : 59 Nb. Of Invalid C2 : 5
 Match Code ID C2 : 60 Nb. Of Invalid : 2

Perfect match code : 36

	C1	C2	PoM
Accuracy :	52.212%	60.420%	72.951%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 163

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2
2001-08-26	01:22:26	163	00:13:01	533	533

Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	# Image C1	# Image C2
PONU 128770 8	PONU 128770 8				0	0	0			10	12
MSKU 808066 7	MSKU 808066 7				0	0	0			14	17
INKU 230681 4	INKU ?306?1 4				0	0	0			18	21
INBU 468571 4	INBU 468571 4				0	0	0	1		22	25
PONU 087528 7	PONU 087528 7				0	0	0			27	28
POCU 040135 0	POCU 040135 0	?ICU 040135 0		@ICU 040135 0	0	0	0			32	33
TRIU 342622 4	TRIU 342622 4	??IU 426224 1		@@IU 426224 1	0	0	0			33	34
CMBU 230746 7	CMBU 230746 7	CMBU 230746 7		CMBU 230746 7	1	0	1			36	38
TPXU 705793 0	TPXU 705793 0	TPXU 705793 0		TPXU 705793 0	1	0	1			38	39
CTXU 303933 2	CTXU 303933 2	CTXU 303933 2		CTXU 303933 2	1	0	1			41	43
NYKU 291348 2	NYKU 291348 2	NYMU 291384 2		NYMU 291384 2	0	0	0			43	44
TPHU 693132 5	TPHU 693132 5	TPHU 693132 5	TPHU 693132 5	TPHU 693132 5	1	1	0			47	48
TRIU 363612 8	TRIU 363612 8	TRIU 363612 8	TRIU 363612 8	TRIU 363612 8	1	1	0			48	50
TRLU 297866 6	TRLU 297866 6	TRLU 297866 6	TRLU 297866 6	TRLU 297866 6	1	1	0			51	53
POCU 058864 2	POCU 058864 2	POCU 058864 2	POCU 058864 2	POCU 058864 2	1	1	1			53	54
?L?? 276746 ?	MLCU 276746 4				0	0	0	1		56	57
PONU 079256 2	PONU 079256 2	PONU 079256 2	POMU 079256 2	PONU 079256 2	1	0	1			57	58
MAEU 771095 3	MAEU 771095 3				0	0	0			60	61
CAXU 240312 ?	CAXU 240312 ?	CAXU 240312 ?		CAXU 240312 ?	0	0	0	1		62	63
PONU 075779 3	PONU 075779 3	PONU 075779 3	MONU 075779 3	PONU 075779 3	1	0	1			65	66
TEXU 220335 1	TEXU 220335 1	TEXU 220335 1		TEXU 220335 1	1	0	1			66	67
PONU 068980 5	PONU 068980 5	PONU 068980 5	PONU 068980 5	PONU 068980 5	1	1	1			70	71
??U ??1??	GSTU 560143 7	GSTU 560147 ?		GSTU 560148 ?	0	0	0	1		71	72
GATU 070448 3	GATU 070448 3	CATU 670448 3	CATU 670448 3	GATU 045882 0	0	0	0			74	75
MSKU 225490 4	MSKU 225490 4	MSKU 225490 4	MSKU 225490 4	MSKU 225490 4	1	1	1			75	77
TTNU 24700? ?	TTNU 24700? ?	TTNU 24700? ?	TTNU 24700? ?	TTNU 24700? ?	0	0	0	1	1	78	79
SEAU 211086 5	SEAU 211086 5	SEAU 211086 5	SFAU 211086 5	SEAU 211086 5	1	0	0			79	80
SEAU 225853 3	SEAU 225853 3	SEAU 225853 3	SEAU 225853 3	SEAU 225853 9	1	1	0			82	83
GATU 045882 0	GATU 045882 0	GATU 045882 0	GATU 045882 0	GATU 045882 0	1	1	1			83	84
SAMU 25103? ?	SAMU 25103? ?			SAMU 25103? ?	0	0	0	1	1	85	87
GSTU 260051 9	GSTU 260051 9	GSTU 260051 9		GSTU 260059 ?	0	0	0			87	88
NUKU 655824 1	NUKU 655824 1	NUKU 655824 1	NUKU 655824 1	NUKU 555824 1	1	1	0			90	92
TTNU 461407 3	TTNU 461407 3	TTNU 461407 3		TTNU 461407 3	1	0	1			93	96
POCU 122056 8	POCU 122056 8	POCU 122056 8	POCU 122056 8	POCU 122056 8	1	1	1			97	100
INBU 469381 2	INBU 469381 2	INBU 469381 2	IMBU 469381 7	INBU 469381 2	1	0	1			101	104
INBU 484710 ?	INBU 484710 ?	INBU 4847?? ?		INBU 4847?? ?	0	0	0	1	1	105	108
CAXU 258782 1	CAXU 258782 1	CAXU 258782 1	CAXU 258782 1	CAXU 258782 1	1	1	0			110	111
BSLY 103606 9	BSLY 103606 9	MGAU 103606 9		MGAU 103606 9	0	0	0			111	113
POCU 009563 0	POCU 009563 0	POCU 009563 0		POCU 009563 0	1	1	0			115	116
KNLU 341016 5	KNLU 341016 5	INLU 341016 5		INLU 341016 5	0	0	0			116	117
KNLU 312726 3	KNLU 312726 3	KNLU 312726 3	KNLU 312726 3	KNLU 312726 3	1	1	1			119	120
GLDU 215470 5	?LDU 215470 5	CLOU 215470 5	GLOU 215470 5	@LOU 215470 5	0	1	0	1		120	121
POCU 006354 6	POCU 006354 6	POCU 006354 6	POCU 006354 6	POCU 006354 6	1	1	1			123	125
TEXU 247742 9	TEXU 247742 9	TEXU 247742 9	TEXU 247742 9	TEXU 247742 9	1	1	1			125	126
PONU 087173 8	PONU 087173 8	PONU 087173 8	PONU 087173 8	PONU 087173 8	1	1	0			128	129
CLHU 206476 8	CLHU ?064?6 8				0	0	0		1	129	130
MAEU 740817 8	MAEU 740817 8	MAEU 740817 8	MAEU 740817 8	IAIU 740817 8	1	1	0			133	136
PONU 712651 0	PONU 712651 0	PONU 712651 0	PONU 712651 0	PONU 712651 0	1	0	1			133	136
MSKU 605141 7	MSKU 605141 7	MSKU 605141 7	MSKU 605141 7	MSKU 605141 7	1	1	1			138	141
PONU 736215 7	PONU 736215 7	PONU 736215 7	PONU 736215 7	PONU 136215 7	1	1	0			138	141
GSTU ??3112 ?	GSTU 893112 9	GSTU 893112 9		GSTU 893112 9	1	0	1	1		144	146
KNLU 501552 9	KNLU 501552 9	KNLU 501552 9	KNLU 501552 9	KNLU 501552 9	1	1	0			144	146
PONU 132090 9	PONU 132090 9	PONU 132090 9	PONU 132090 9	PONU 132090 9	1	1	1			149	151
SEAU 861765 1	SEAU 861765 1	SEAU 861765 1	SEAU 861765 1	SEAU 861765 1	1	1	1			149	151
TRIU 468204 6	TRIU 468204 6	TRIU 468204 6	TRIU 468204 6	TRIU 468204 6	1	1	1			154	157
ITLU 546486 9	ITLU 546486 9	ITLU 546486 9	ITLU 546486 9	ITLU 546486 9	1	1	1			154	157
PONU 142978 3	PONU 142978 3	PONU 142978 3	PONU 142978 3	PONU 142978 3	1	1	1			159	162
OCLU 135893 9	OCLU 135893 9	OCLU 135893 9	OCLU 135893 9	OCLU 135893 9	1	1	1			159	162
GLDU 063987 8	GLDU 063987 8	GLDU 063987 8	GLDU 063987 8	GLDU 063987 8	1	1	1			164	167
TOLU 154776 ?	TOLU 154776 ?	??LU 15477? ?	ITLU 154770 ?	TOLU 154776 9	0	0	0	1	1	164	167
KNLU 501993 0	KNLU 501993 0	KNLU 501993 0	KNLU 501993 0	KNLU 501993 0	1	0	1			170	172
POCU 100734 1	POCU 100734 1	POLU 007341 1	POIU 007341 1	POCU 130734 1	0	0	0			175	178
POCU 004664 1	POCU 004664 1	POCU 004664 1	POCU 004664 1	POCU 004664 1	1	1	1			180	182
TRLU 533408 1	TRLU 533408 1	TRLU 533408 1	TRLU 533408 1	TRLU 533408 1	1	1	1			180	183

AEI/OCR System Integration



Acceptance Tests Form

MOVE 163

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2																				
2001-08-26	01:22:26	163	00:13:01	533	533	Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2							
TTNU	276077	7	TTNU	276077	7	TTTT	TTTT	7	TTNU	760377	%	TTMU	276037	7	0	0			182	183					
??TU	??3395	0	GSTU	344395	0	GSTU	344395	0	GSTU	344395	0	GSTU	344395	0	0	0			186	187					
MAEU	807072	1	PAEU	807072	1	MAEU	807072	1	MAEU	807072	1	MAEU	807072	1	1	0			186	188					
MAEU	786525	6	MAEU	786525	6	MAEU	786525	6	MAEU	786525	6	MAEU	786525	6	1	0	1			187	188				
TRIU	192695	6	TRIU	192695	6	TRIU	192695	6	TRIU	192695	6	TRIU	192695	6	1	1	1			191	192				
MSKU	821367	2	MSKU	821367	2	MSKU	821367	2	MSKU	821367	2	MSKU	821367	2	1	1	1			191	194				
??TU	??0???	?	CAXU	600844	5	CAXU	8008??	?	CAXU	8008??	?	CAXU	8008??	?	0	0	0			192	194				
SAMU	218774	9	SAMU	218674	9	SAMU	218674	9	SAMU	218674	9	SAMU	218674	9	1	0	1			196	198				
PONU	748015	0	PONU	748015	0	PONU	748015	0	PONU	748015	0	PONU	748015	0	1	1	1			196	199				
SCMU	204772	8	SCMU	204772	8	SCMU	204772	8	SCMU	204772	8	SCMU	204772	8	1	1	1			198	199				
GATU	096320	5	GATU	096320	5	GATU	096320	5	GATU	096320	5	GATU	096320	5	1	1	1			202	204				
KNLU	501124	6	KNLU	501124	6	KNLU	501124	6	KNLU	501124	6	KNLU	501124	6	1	1	1			202	205				
APMU	282739	9	APMU	282739	9	APMU	282739	9	PNOU	282739	9	APMU	282739	9	1	0	1			204	205				
PRSU	229660	5	PRSU	229660	5	I??U	229660	5	I@U	229660	5	PRSU	229660	5	0	0	0			208	210				
TRIU	477269	9	TRIU	477269	9	TRIU	477269	9	TRIU	477269	9	TRIU	477269	9	1	0	1			208	211				
POCU	053012	6	POCU	053012	6	POCU	053012	6	POCU	053012	6	POCU	053012	6	1	0	1			210	211				
MAEU	789428	0	MAEU	789428	0	MAEU	789428	0	MAEU	789428	0	MAEU	789428	0	1	1	1			214	216				
MAEU	785963	3	MAEU	785963	3	MAEU	785963	3	MAEU	785963	3	MAEU	785963	3	1	1	0			216	217				
PONU	079322	9	PONU	079322	9	PONU	079322	9	PONU	079322	9	PONU	079322	9	1	0	1			220	221				
KNLU	319530	8	KNLU	319530	8	KNLU	319530	8	KNLU	319530	8	KNLU	319530	8	1	1	0			221	223				
MAEU	577454	2	MAEU	577454	2	MAEU	577454	2	IAEU	577454	2	IAEU	577454	2	1	0	0			224	227				
MWCU	661014	0	MWCU	661014	0	LMCU	661014	0	LMCU	661014	0	LMCU	661014	0	0	0	0			232	235				
SCZU	747714	7	SCZU	747714	7	SCZU	747714	7	SCZU	747714	7	SCZU	747714	7	1	1	0			236	238				
IEAU	213229	4	IEAU	213229	4	IEAU	213229	4	IEAU	213229	4	IEAU	213229	4	1	1	0			238	239				
CLHU	260610	7	CLHU	260610	7	CLHU	260610	7	CLFU	260610	7	CLHU	260610	7	1	0	1			241	242				
INBU	301443	4	INBU	301443	4	INBU	301443	4	INBU	301443	4	INBU	301443	4	1	0	1			243	244				
POCU	054404	8	POCU	054404	8	POCU	054404	8	POCU	054404	8	PO+U	054404	8	1	1	0			247	248				
MAEU	681940	4	MAEU	681940	4	MAEU	681940	4	MAEU	681940	4	AAEU	6819??	4	1	1	0			248	249				
GESU	215428	9	GESU	215428	9	GESU	215428	9	GESU	215428	9	GESU	215428	9	1	1	1			252	254				
CAXU	294052	2	CAXU	294?52	2	??XU	294052	8	@@XU	294052	8	CAXU	294052	8	0	0	0			254	255				
MAEU	679545	2	MAEU	679545	2	MAEU	???	?	MAEU	679545	2	MAEU	679545	2	0	1	0			278	280				
PRSU	210946	9	PRSU	210946	9	PRSU	210946	9	PRSU	210946	9	PRSU	210946	9	1	1	0			280	281				
MSKU	233700	1	MSKU	233700	1	MSKU	233700	1	MSKU	233700	1	MSKU	233700	1	1	1	1			284	285				
MAEU	782505	8	MAEU	782505	8	MAEU	782505	8	MAEU	782505	8	MAEU	782505	8	0	0	1			285	287				
TRIU	395952	1	TRIU	395952	1	TRIU	395952	1	TRIU	395952	1	TRIU	395952	1	1	1	1			289	290				
POCU	056130	1	POCU	056130	1	POCU	056130	1	POCU	056130	1	POCU	056130	1	1	0	1			291	292				
GATU	042797	0	GATU	042797	0	GATU	042797	0	GATU	042797	0	GATU	042797	0	1	1	1			293	294				
KNLU	325204	9	KNLU	325204	9	KNLU	325204	9	JNLU	325211	4	KNLU	325204	9	1	0	1			294	296				
POCU	038861	8	POCU	038861	8	POCU	038861	8	POCU	038861	8	POCU	038861	8	1	1	1			297	298				
CRXU	180310	8	CRXU	180310	8	CRXU	180310	8	CRXU	603108	1	CRXU	180310	8	1	0	1			298	299				
TTNU	214668	8	TTNU	214668	8	TTNU	214668	8	@TNU	214668	8	TTNU	214668	8	1	0	0			300	302				
MSKU	220827	8	MSKU	220827	8	MSKU	220827	8	MSKU	220827	8	MSKU	220827	8	1	1	1			302	303				
MSKU	221411	5	MSKU	221411	5	MSKU	221411	5	MSKU	221411	5	MSKU	221411	5	1	1	1			304	306				
NUKU	239556	8	NUKU	239556	8	NYKU	239556	8	NYKU	239556	8	NYKU	239556	8	0	0	0			306	307				
SCMU	201313	7	SCMU	201313	7	SCMU	201313	7	SCMU	201313	7	SCMU	201313	7	1	1	1			309	311				
MAEU	674251	2	MAEU	684251	2	MAEU	684251	2	MAEU	684251	2	MAEU	684251	2	1	0	1			311	312				
SEAU	222347	6	SEAU	222347	6	SEAU	222347	6	SEAU	222347	6	SEAU	222347	6	1	1	0			314	315				
MAEU	697568	6	MAEU	697568	6	MAEU	697568	6	MAEU	697568	6	MAEU	697568	6	1	1	1			315	317				
MAEU	792771	7	MAEU	792771	7	MAEU	792771	7	AAEU	792771	7	OAEU	792771	7	1	0	0			319	320				
CLHU	243624	?	CLHU	243624	?	CLHU	243624	?	CLHU	243624	?	CLHU	243624	?	0	0	0			320	322				
MSKU	245528	3	MSKU	245528	3	MSKU	245528	3	MSKU	245528	3	MSKU	245528	3	1	1	1			323	325				
NYKU	242657	1	NYKU	242657	1	NYBU	242652	1	NYMU	242652	1	NYKU	242652	1	0	0	0			325	326				
SEAU	232585	8	SEAU	232585	8	SEAU	232585	8	SEAU	232585	8	SEAU	232585	8	1	1	1			328	329				
GESU	211599	7	GESU	211599	7	GESU	211599	7	GESU	211599	7	GESU	211599	7	1	1	1			329	331				
MAEU	804285	9	MAEU	804285	9	MAEU	804285	9	MAEU	804285	9	MAEU	8043??	9	1	1	0			334	337				
MAEU	570880	7	MAEU	570880	7	MAEU	570880	7	MALU	570880	7	IAEU	570880	7	1	0	0			334	337				
SEAU	860673	9	SEAU	860673	9	SEAU	860673	9	SEAU	860673	9	SEAU	860673	9	1	1	1			340	343				
CAXU	474450	?	CAXU	474450	?	CAXU	474450	?	CAXU	474450	?	CAXU	474450	?	0	0	0			340	343				
MSKU	606960	6	MSKU	606960	6	MSKU	606960	6	MSKU	606960	6	MSKU	606960	6	1	1	1			346	349				
MSAU	543900	7	MSAU	543900	7	??TU	5439??	?	MSAU	543910	1	SXLU	543900	7	0	0	0			346	349				
OCLU	131647	1	OCLU	131647	1	OCLU	131647	1	OCLU	131647	1	OCLU	131647	1	1	0	1			351	353				
INBU	478328	5	INBU	478328	5	INBU	478328	5	INBU	478328	5	INBU	478328	5	1	0	1			351	353				
CRXU	456116	3	CRXU	456116	3	CRXU	456???	?	CRXU	45611?	?	CRXU	456??	?	0	0	0			355	358				
CRLU	513526	8	CRLU	513526	8	CRLU	513526	8	CHIU	513526	8	CRLU	513526	8	1	0	1			355	358				
ICSU	16881?	8	ICSU	16881?	8	ICSU	16881?	8	ICSU	16881?	8	ICSU	16881?	8	0	0	0			359	362				

AEI/OCR System Integration



Acceptance Tests Form

MOVE 163

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2												
2001-08-26	01:22:26	163	00:13:01	533	533												
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2					
KNLU 428617 2	KNLU 428617 2	KNLU 428617 2	KNLU 428617 2	KNLU 428617 2	1	1	1				359	382					
MAEU 627706 8	MAEU 627706 8	MAEU 627706 8	MAEU 627706 8	MAEU 627706 8	1	1	0				364	366					
NDLU 401982 1	NDLU 401982 1	NDLU 401982 1	NDLU 401982 1	NDLU 401982 1	1	1	1				364	366					
MAEU 606952 6	MAEU 606952 6	MAEU 606952 6	MAEU 606952 6	MAEU 606952 6	1	1	1				368	370					
KNLU 428952 5	KNLU 428952 5	KNLU 428952 5	KNLU 428952 5	KNLU 428952 5	1	0	0				368	370					
CAXU 474139 2	CAXU 474139 2	CAXU 474139 2	CAXU 474139 2	CAXU 474139 2	1	0	1				373	375					
SEAU 857595 7	SEAU 857595 7	SEAU 857595 7	SEAU 857595 7	SEAU 857595 7	1	1	1				373	375					
MAEU 635136 0	MAEU 635136 0	AAEU 635136 0	AAEU 635136 0	AAEU 635136 0	0	0	0				377	379					
MAEU 700225 5	MAEU 700225 5	MAEU 702667 9	MAEU 700555 8	MAEU 702667 9	0	0	0				377	379					
MAEU 700225 5	MAEU 700225 5	MAEU 702667 9	MAEU 702667 9	MAEU 702667 9	0	0	0			1	382	384					
MAEU 819989 5	MAEU 819989 5	MAEU 819989 5	MAEU 819989 5	JAIU 819981 5	1	0	0				382	384					
SEAU 785741 0	SEAU 785741 0	SEAU 785741 0	SEAU 785741 0	SEAU 785741 0	1	1	1				386	388					
SEAU 785880 2	SEAU 785880 2	SEAU 785880 2	SEAU 785880 2	SEAU 785880 2	1	1	1				386	388					
EACU 912397 0	EACU 912397 0	EACU 912397 0	EACU 912397 0	EACU 912397 0	1	1	1				391	393					
SEAU 851854 0	SEAU 851854 0	SEAU 851854 0	SEAU 851854 0	SEAU 851854 0	1	1	0				391	393					
MAEU 609903 2	MAEU 609903 2	MAEU 609903 2	MAEU 609903 2	AAEU 609903 2	1	0	0				410	412					
SEAU 851370 2	SEAU 851370 2	SEAU 851370 2	SEAU 851370 2	SEAU 851370 2	1	0	0				410	412					
PONU 153637 5	PONU 153637 5	PONU 153637 5	PONU 153637 5	PONU 153637 5	1	1	1				416	418					
GSTU 946190 3	GSTU 946190 3	GSTU 946190 3	GSTU 946190 3	GSTU 946190 3	1	1	0			1	416	418					
PONU 151192 6	PONU 151192 6	PONU 151192 6	PONU 151192 6	PONU 151192 6	1	1	1				421	423					
INKU 230710 6	INKU 230710 6	INKU 230710 6	INKU 230710 6	INKU 230710 6	1	1	1				421	423					
MAEU 813641 2	MAEU 813641 2	MAEU 813641 2	MAEU 813641 2	IAEU 813040 2	1	1	0				427	429					
KNLU 427103 8	KNLU 427103 8	KNLU 427103 8	KNLU 427103 8	KNLU 427103 8	1	0	1				427	429					
PONU 149091 0	PONU 149091 0	PONU 149091 0	PONU 149091 0	PONU 149091 0	1	1	1				432	434					
PONU 127722 7	PONU 127722 7	PONU 127722 7	PONU 127722 7	PONU 127722 7	1	1	1				432	434					
MAEU 611217 6	MAEU 611217 6	POU 611206 3	AAEU 611206 3	@JUU 611206 3	0	0	0				436	438					
SCZU 466028 3	SCZU 466028 3	SCZU 466028 3	SCZU 466028 3	SCZU 466028 3	1	0	1				436	438					
MAEU 702624 1	MAEU 702624 1	MAEU 702624 1	MAEU 702624 1	AAEU 702624 1	1	1	0				441	443					
SAMU 401787 7	SAMU 401787 7	SAMU 401787 7	SAMU 401787 7	SAMU 401787 7	1	1	1				441	443					
MAEU 613453 4	MAEU 613453 4	MAEU 613453 4	MAEU 613453 4	MAEU 613453 4	1	1	1				445	447					
PONU 125426 3	PONU 125426 3	PONU 125426 3	PONU 125426 3	PONU 125426 3	1	0	1				445	447					
POCU 112676 2	POCU 112676 2	POCU 112676 2	PONU 125426 1	POCU 112676 2	1	0	1				451	453					
INKU 284650 9	INKU 284650 9	INCU 284650 9	POCU 112676 2	INCU 284650 9	0	0	0				451	453					
MAEU 606794 5	MAEU 606794 5	MAEU 606794 5	RAEU 606794 5	AAEU 606794 5	1	0	0				457	459					
SEAU 812892 2	SEAU 812892 2	SEAU 812892 2	SEAU 812892 2	SEAU 812892 2	1	1	1				457	459					
MAEU 603902 8	MAEU 603902 8	MAEU 603902 8	OAEU 603902 8	MAEU 603902 8	1	0	1				463	465					
SEAU 805859 5	SEAU 805859 5	SEAU 805859 5	SEAU 805859 5	SEAU 805859 5	1	1	1				463	465					
CLHU 425782 7	CLHU 425782 7	CLHU 425782 7	CLHU 425782 7	CLHU 425782 7	0	0	0		1	1	469	471					
GSTU 986621 8	GSTU 986621 8	GSTU 986621 8	GSTU 986621 8	GSTU 986621 8	1	1	0		1	1	469	471					
SEAU 806475 1	SEAU 806475 1	SEAU 806475 1	SFAU 806475 1	SEAU 806475 1	1	0	1				475	477					
TPHU 517654 9	TPHU 517654 9	TPHU 517654 9	TPHU 517654 9	TPHU 517654 9	1	1	1				475	477					
TRLU 617683 8	TRLU 617683 8	TRLU 617683 8	TRLU 617683 8	TRLU 617683 8	1	1	1				481	483					
GLDU 404732 6	GLDU 404732 6	GLDU 404732 6	GLOU 404732 6	GLOU 404732 6	1	0	0				481	483					
UXXU 430160 7	UXXU 430160 7	UXXU 301607 7	UXXU 301607 7	UXXU 301607 7	0	0	0		1		488	490					
PONU 718039 0	PONU 718039 0	PONU 718039 0	PONU 718039 0	PONU 718039 0	1	1	1				488	490					
MSKU 612491 4	MSKU 612491 4	MSKU 612491 4	MSKU 612491 4	MSKU 612491 4	1	1	0				493	495					
MAEU 632166 4	MAEU 632166 4	MAEU 612166 4	MAEU 612166 4	MAEU 612166 4	0	0	0				493	495					
MAEU 604117 5	MAEU 604117 5	MAEU 604117 5	IAEU 604117 5	MAEU 604117 5	1	0	1				499	501					
GLDU 401086 2	GLDU 401086 2	GLDU 401086 2	GLDU 401086 2	GLDU 401086 2	1	1	1				499	501					
IEAU 420785 4	IEAU 420785 4	IEAU 420785 4	IEAU 420785 4	IEAU 420785 4	1	1	1				505	507					
THI? 449637 6	TRIU 449637 6	TRIU 449637 6	***U 449637 6	TRIU 449637 6	1	0	1			1	505	507					
KNLU 324885 6	KNLU 324885 6	KNLU 324885 6	KNLU 324885 6	KNLU 324885 6	1	1	1				512	512					
MAEU 606395 5	MAEU 606395 5	?JIU 606395 5	@LIU 606395 5	BENU 480635 7	0	0	0				514	516					
BENU 480635 7	BENU 480635 7	BENU 480635 7	BENU 480635 7	BENU 480635 7	1	0	1				519	521					
MAEU 620781 5	MAEU 620781 5	MAEU 620781 5	MAEU 620781 5	MAEU 620781 5	1	1	1				523	525					
MAEU 627804 3	MAEU 627804 3	RAEU 627804 3	RAEU 627804 3	MAEU 627804 3	1	0	1				528	530					

Nb. of containers : 195 Match Code ID : 138 Nb. Of Invalid C1 : 20
 Match Code ID C1 : 92 Match Code ID C2 : 100 Nb. Of Invalid C2 : 16
 Match Code ID C2 : 100 Nb. Of Invalid : 7

Perfect match code : 62

	C1	C2	PoM
Accuracy :	52.571%	55.866%	73.404%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 164

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2							
2001-08-26	04:23:35	164	00:03:35	153	153							
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
HLCU 212215 4	HLCU 212215 4	??PCU 2722?5 4	CZCU 232205 4	ZLCU 212215 4	0	0	0				12	11
TGHU 213473 1	TGHU 213473 1				0	0	0				17	15
OCLU 088270 ?	OCLU 088270 4				0	0	0	1			18	16
PONU 073913 0	PONU 073913 0	PONU 073913 0	PONU 073913 0	PONU 073913 0	1	1	0				20	19
MWCU 614289 9	MWCU 614289 9	MWCU 614289 9	MWCU 614289 9	MWCU 614289 9	1	1	1				24	22
MLCU 408897 1	MLCU 408897 1	MLCU 408897 1	NLCU 408897 1	MLCU 408897 1	1	1	1				28	25
GLDU 091165 1	GLDU 091165 1	GLDU 091165 1	GLOU 091165 1	GLOU 091165 1	1	0	0				28	25
PONU 747612 3	PONU 747612 3	PONU ??7612 3	PONU 717612 3	PONU 147612 3	0	0	0				31	29
KNLU 507914 3	KNLU 507914 3	???? ?????? ?	LNLU 507911 3	INLU 509143 %	0	0	0				31	29
GLDU 401756 9	GLDU 401756 9	GLDU 401756 9	GLDU 401756 9	GLDU 401756 9	1	1	1				35	33
SCMU 430583 7	SCMU 430583 7	SCMU 430583 7	SCMU 430583 7	SCMU 430583 7	1	1	0				40	37
SEAU 821034 7	SEAU 821034 7	SEAU 821034 7	SEAU 826034 7	SEAU 821034 7	1	0	1				44	42
HLCU 615030 8	HLCU 615030 8	HLCU 615030 8	HLCU 615030 8	HLCU 615030 8	1	1	1				48	46
HLCU 417338 2	HLCU 417338 2	HLCU 417338 2	HLCU 417338 2	HLCU 417338 2	1	1	1				55	52
HLXU 443257 6	HLXU 443257 6	HLXU 443257 6	HLXU 443257 6	HLXU 443257 6	1	1	1				59	56
HLXU 451349 3	HLXU 451349 3	HLXU 451349 3	HLXU 451349 3	HLXU 451349 3	1	1	1				62	59
HLCU 403894 7	H?P?U 4738?? 7	HOMU 38117? ?	ALCU 403894 0	HOMU 38117% %	0	0	0		1		66	64
HLXU 611167 8	HLXU 611167 8	HLXU 611167 8	HLXU 611167 8	HLXU 611167 8	1	1	1				66	64
HLXU 217822 5	HLXU 217822 5			HLXU 217822 5	0	0	1				69	68
HLXU 211508 4	HLXU 211508 4	HLXU 211508 4	HLXU 211508 4	HLXU 211508 4	1	1	0				70	69
HLX? 453544 5	HLXU 453544 5	HLXU 453544 5	IHLU 453644 9	HLOU 453544 5	0	0	0	1			70	68
HLCU 212507 1	HLCU 212507 1	HLCU 212607 1		HLCU 212607 1	0	0	0				73	72
TGHU 218316 6	TGHU 218316 6	TGHU 218316 6	TGHU 218316 6	TGHU 230787 %	1	1	0				75	73
POCU 066836 1	POCU 066836 1	POCU 68?221 0	POCU 68+221 0	PONU 066836 1	0	0	1				78	76
POCU 029457 1	POCU 029457 1				0	0	0				79	78
UXXU 236092 0	UXXU 236092 0	UXXU 236092 0		UIXU 236092 0	1	1	0				81	80
SCMU 203619 5	SCMU 203619 5	SCMU 203619 5	SCMU 203619 5		1	1	0				82	81
TGHU 23076? ?	TGHU 23076? ?				0	0	0				88	87
TRIU 395197 9	TRIU 395197 9	TRIU 395197 9	TRIU 395197 9		1	1	0	1	1	1	89	88
FSCU 321778 7	FSCU 321778 7	FSCU 321778 7	FSCU 321778 7	FSCU 321778 7	1	1	1				91	90
TTNU 35258? ?					0	0	0	1	1	1	91	91
CAXU 959872 5	CAXU 959872 5	CAXU 959872 5	CAXU 959872 5	CAXU 959872 5	1	1	1				102	100
SEAU 7840?? ?	SEAU 784053 1	SEAU 784053 1	SEAU 7840% %	SEAU 784053 1	1	0	1	1			109	107
SAMU 220916 6	SAMU 220916 6	SAMU 220916 6		SAMU 220916 6	1	0	1				112	111
PRSU 228248 0	PRSU 228248 0	PRSU 228248 0	PRSU 228248 0		1	1	0				113	112
CAXU 252009 4	CAXU 252009 4	CAXU 252009 4		CAXU 252009 4	1	0	1				115	114
MSKU 201965 4	MSKU 201965 4	MSKU 201965 4	MSKU 201965 4		1	1	0				116	115
NYKU 242750 0	NYKU 242750 0	NYKU 242750 0		NYKU 242750 0	1	0	1				119	118
MSKU 211147 8	MSKU 211147 8	MSKU 211147 8	MSKU 211147 8		1	1	0				120	119
MAEU 698743 4	MAEU 698743 4	MAEU 698743 4		MAEU 698743 4	1	0	1				122	121
MSKU 213863 2	MSKU 213863 2				0	1	0				124	123
MSKU 233378 9	MSKU 233378 9	MSKU 2333639	MSKU 213863 2	MSKU 233378 9	0	0	1				126	125
MSKU 202606 2	MSKU 202606 2	MSKU 202606 2	MSKU 202606 2		1	1	0				127	126
TRIU 527215 4	TRIU 527215 4	TRIU 527215 4	TRIU 527215 4	TRIU 527215 4	1	1	1				131	129
TTNU 222766 6	TTNU 222766 6	TTNU 222766 6		TTHU 222766 6	1	0	0				146	144
MAEU 776211 3	MA?? 776211 3	MAEU 776211 3	MAEU 776211 3	MAEU 776211 3	1	1	0		1		147	145

Nb. of containers : 46 Match Code ID : 31 Nb. Of Invalid C1 : 5
 Match Code ID C1 : 22 Match Code ID C2 : 20 Nb. Of Invalid C2 : 4
 Match Code ID C2 : 20 Nb. Of Invalid : 2

Perfect match code : 10

	C1	C2	PoM
Accuracy :	53.659%	47.619%	70.455%

AEI/OCR System Integration



Acceptance Tests Form
MOVE 165

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID - Code ID - C2		Invalid C1	Invalid C2	# Image C1	# Image C2
2001-08-26	05:00:38	165	00:04:39	330	340	Code ID - C1 Match	Code ID - C2 Match				
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	# Image C1	# Image C2
HLCU 217739 0	HLCU 217739 0				0	0	0			10	12
OOLU 345800 0	OOLU 345800 0				0	0	0			12	14
HLCU 209740 5	HLCU ?09??0 5				0	0	0		1	15	17
OOLU 318571 2	OOLU 318571 2				0	0	0			17	19
OOLU 317399 0	OOLU 317399 0				0	0	0			26	27
HLCU 215593 9	HLCU 215593 9				0	0	0			27	29
OOLU 347180 3	OOLU 347180 3				0	0	0			31	32
OOLU 346064 5	OOLU 346064 5				0	0	0			32	34
HLCU 425633 2	HLCU 425633 2				0	0	0			37	40
HLCU 424729 5	HLCU 424729 5	HLCU 424729 5	HLCU 424729 5	MLCU 424729 3	1	1	0			47	50
HLCU 223269 7	HLCU 22?269 7	HLCU 223269 7	HLCU 223269 7	HLCU 229269 7	1	1	0		1	53	54
HLCU 301660 9	HLCU 301660 9	HLCU 301660 9	MLXU 301660 9	HLCU 301660 9	1	0	1			54	56
HLCU 607905 1	HLCU 607905 1	HLCU 607905 1	HLCU 607905 1	HLCU 607905 1	1	1	1			62	65
HLCU 467098 ?	HLCU 467098 ?	HLCU 467098 ?	HLCU 467098 ?	HLCU 467098 %	0	0	0	1	1	72	76
HLCU 234247 3	HLCU 234247 3				0	0	0			78	80
HLCU 416230 0	HLCU 416230 0				0	0	0			78	81
HLCU 233550 9	HLCU 233550 9				0	0	0			80	81
HLCU 204573 1	HLCU 204573 1	HLCU 204573 1	HLCU 204573 1	HLCU 204573 1	1	1	1			84	86
HLCU 238318 0	HLCU 238318 0	HLCU 238318 0	HLCU 238318 0	MLXU 238318 0	1	1	0			86	87
HLCU 260382 2	HLCU 260382 2				0	0	0			90	92
HLCU 460042 7	HLCU 460042 7	HLCU 460042 7	HLCU 460042 7	HLCU 460042 7	1	0	1			90	93
HLCU 261466 9	HLCU 261466 9	HLCU 261466 9	HLCU 261466 9	HLCU 261466 9	0	0	1			92	93
HLCU 221757 4	HLCU 221757 4	HLCU 221757 4	HLCU 221757 4	HLCU 221757 4	1	0	1			96	97
HLCU 405497 4	HLCU 405497 4	HLCU 405497 4	HLCU 405497 4	MLCU 054976 %	1	1	0			96	99
HLCU 209251 1	HLCU 209251 1	HLCU 209251 1	HLCU 209251 1	HLCU 209253 1	0	0	0			97	99
HLCU 223457 1	HLCU 223457 1	HLCU 223457 1	HLCU 223457 1		1	1	0			102	103
HLCU 609025 6	HLCU 609025 6	HLCU 609025 6	HLCU 609025 6	HLCU 609025 6	1	1	1			102	105
HLCU 215071 6	HLCU 215071 6	HLCU 215071 6	HLCU 215071 6	MLXU 215071 6	1	1	0			103	105
HLCU 216918 8	HLCU 216918 8	HLCU 216918 8	HLCU 216918 8	HLCU 216918 8	1	0	1			107	108
HLCU 501990 5	HLCU 501990 5	HLCU 501990 5	HLCU 501990 5	HLCU 501990 5	1	1	1			107	110
HLCU 230811 8	HLCU 230811 8	HLCU 230811 8	HLCU 230811 8	HLCU 230811 8	1	1	1			108	110
HLCU 240600 0	HLCU 240600 0	HLCU 240600 0	HLCU 240600 0	HLCU 210600 0	1	1	0			112	113
HLCU 402100 8	HLCU 402100 8	HLCU 402100 8	HLCU 402100 8	HLCU 402100 %	0	0	0		1	112	115
HLCU 210711 8	HLCU 210711 8	HLCU 210711 8	HLCU 210711 8	HLCU 216711 3	1	1	0			113	115
HLCU 214001 3	HLCU 214001 3	HLCU 214001 3	HLCU 214001 3	HLCU 214001 3	1	0	1	1		121	123
HLCU 461517 6	HLCU 461517 6	HLCU 461517 6	HLCU 461517 6	HLCU 461517 6	1	1	0			121	124
HLCU 236950 9	HLCU 236950 9	HLCU 236950 9	HLCU 236950 9	HLCU 236950 9	1	1	1			123	124
PRSU 230902 4	PRSU 230902 4	PRSU 430904 ?	PRSU 430904 %		0	0	0			127	129
MAEU 677666 3	MAEU 677666 3	??PU 677666 ?	MAEU 677666 %	FIIU 677666 %	0	0	0			129	130
CAXU 601998 5	CAXU 601998 5				0	0	0			132	133
MSKU 213285 0	MSKU 213285 0				0	0	0			133	135
GSTU 448661 6	GSTU 448661 6				0	0	0			135	137
GATU 041632 1	GATU 041632 1				0	0	0			137	139
TTNU 460656 6	TTNU 460656 6	TTNU 460656 ?	TTNU 460656 %		0	0	0			140	144
TTNU 986499 0	TTNU 986499 0	TTNU 986499 0	TTNU 986499 0	TTNU 986499 0	1	1	1			140	144
TTNU 926049 7	TTNU 926049 7	TTNU 926049 7	TTNU 926049 7	@TTNU 926049 7	1	0	0			146	150
TTNU 957894 0	TTNU 957894 0	TTNU 957894 0	TTNU 957894 0	TTNU 957894 0	1	0	1			146	150
SEAU 875361 6	SEAU 875361 6	SEAU 875361 6	SEAU 875361 6	SEAU 875361 6	1	0	1			152	155
PONU 151490 4	PONU 151490 4	PONU 151490 4	PONU 151490 4	PONU 151490 4	1	1	1			152	155
MSKU 229308 0	MSKU 229308 0	MSKU 229308 0	ASKU 229308 0	MSKU 229308 0	1	0	1			158	160
KNLU 319455 4	KNLU 319455 4	KNLU 319455 4	KNLU 319455 4	CNLU 315145 5	1	0	0			160	161
MSKU 207407 6	MSKU 207407 6	MSKU 217107 6	MSKU 207107 6	MSKU 217107 1	0	0	0			164	166
OCLU 144922 1	OCLU 144922 1	OCLU 144922 1	OCLU 144922 1	CLIU 144192 2	1	1	0			164	167
MAEU 673256 2	MAEU 673256 2	MAEU 673256 2	MAEU 673256 2	MAEU 673256 %	1	1	0			166	167
POCU 471257 7	POCU 471257 7	?OCU 471257 ?	POCU 471257 %	COCU 471257 %	0	0	0			171	174
TTNU 511700 3	TTNU 511700 3	TTNU 511700 3	TTNU 511700 3	TTMU 511700 3	1	1	0			171	174
MAEU 577855 3	MAEU 577855 3	MAEU 577855 3	MAEU 577855 3	MAEU 577855 3	1	1	1			177	180
PONU 718337 8	PONU 718337 8	PONU 718337 8	PONU 718337 8	PONU 718337 8	1	0	1			177	180
PONU 478462 6	PONU 478462 6	PONU 478462 6	PONU 478462 6	PONU 478462 6	1	1	0			183	186
PONU 742776 7	PONU 742776 7	PONU 742776 7	PONU 742776 7	PONU 742776 7	1	1	0			183	186
CRLU 522121 6	CRLU 522121 6	CRLU 522121 6	CRLU 522121 6	CRLU 522121 6	1	1	1			189	192
CRLU 912177 1	CRLU 912177 1	CRLU 912177 1	LRIU 912127 1	CRLU 912177 1	1	0	1			189	192
MAEU 579756 9	MAEU 579756 9	MAEU 579756 9	MAEU 579756 9	MAEU 579756 9	1	0	1			195	198
MAEU 515370 9	MAEU 515370 9	MAEU 515370 9	GAEU 515371 1	MAEU 515370 9	1	0	1			201	204

AEI/OCR System Integration



Acceptance Tests Form

MOVE 165

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID -		Invalid	Invalid	# Image	# Image	
2001-08-26	05:00:38	165	00:04:39	330	340	C1 Match	Match	C1	C2	C1	C2	
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match	C1	C2	Invalid	# Image C1	# Image C2
PONU 476634 5	PONU 476634 5	PONU 476634 5	PONU 476634 5	PONU 476631 5	1	1	0				201	204
MAEU 514131 2	MAEU 514131 2	MAEU 514131 2	IAFU 514131 2	MAEU 514131 2	1	0	1				207	210
FRLU 861189 0	FRLU 861189 0	FRLU 861189 0	FRLU 861189 0	FRLU 861189 0	1	1	1				207	210
FSCU 562135 5	FSCU 562135 5	FSCU 562135 5	FSCU 562135 5	FSCU 562135 5	1	1	1				213	216
OCLU 136673 9	OCLU 136673 9	OCLU 136673 9	OCLU 136673 9	OCLU 136673 9	1	1	1				213	216
SCMU 204896 1	SCMU 204896 1	SCMU 204896 1	SCMU 204896 1	SCMU 234896 %	1	1	0				218	220
APMU 284795 0	APMU 284795 0	APMU 284795 0	PAAU 284795 0	APMU 284795 0	1	0	1				220	221
TTNU 524645 9	TTNU 524645 9	TTNU 524645 9	TTNU 524645 9	TTNU 524645 9	1	0	1				223	226
SEAU 783608 5	SEAU 783608 5	??AU 783608 2	@@AU 783608 2		0	0	0				228	231
KNLU 431909 1	KNLU 431909 1	KNLU 431909 1	KNKU 431909 1	KNCU 431909 3	1	0	0				232	235
CRXU 228181 5	CRXU 228181 5	CRXU 228181 5	CRXU 228181 5	CRXU 228181 5	1	1	1				237	239
CAXU 297902 0	CAXU 297902 0	CAXU 297902 0	CAXU 297902 0	CAXU 297902 0	1	1	0				239	240
SCMU 208404 3	SCMU 208404 3	SCMU 208404 3	SCMU 208404 3	SCMU 208404 3	1	1	1				243	244
NYKU 605533 4	NYKU 605533 4	??U 5055?? ?	NYMU 5055?? %	YMIU 5055?? %	0	0	0				243	246
FBLU 200888 9	FBLU 200888 9	FBLU 200888 9	FBLU 200888 9	FBLU 200888 9	1	1	0				245	246
TTNU 540121 5	TTNU 540121 5	TTNU 540121 5	TTMU 5401?? %	@TNU 540121 5	1	0	0				249	252
POCU 112702 8	POCU 112702 8	POCU 112702 8	POCU 112702 8	POCU 112702 8	1	1	1				255	258
KNLU 471722 2	KNLU 471722 2	KNLU 471722 2	KNLU 471722 2	KMLU 471722 2	1	1	0				261	264
POCU 110548 2	POCU 110548 2	POCU 110548 2	POCU 110548 2	POU 054+11 2	1	1	0				261	264
TRLU 193250 5	TRLU 193250 5	TRLU 193250 5		TRLU 193250 5	1	0	1	1	1		270	270
MHHU 560985 7	MHHU 560985 7	MOHU 560985 1	MMHU 560985 %	MHHU 560985 1	0	0	0				266	276
MAEU 570124 8	MAEU 570124 8				0	0	0				272	282
MAEU 518572 7	MAEU 518572 7	MAEU 518572 7	MMEU 518572 7	AAEU 518572 7	1	0	0				272	282
GCEU 600908 5	GCEU 600908 5	GCEU 600908 5	GCEU 600908 5	GCEU 600908 5	1	1	1				278	288
MWCU 657865 0	MWCU 657865 0	MWCU 657865 0	AWCU 657865 0	MWCU 657865 0	1	0	1				284	295
MAEU 536560 5	MAEU 536560 5	MAEU 536560 5	MAEU 536560 5	IAEU 536560 5	1	1	0				284	295
MWCU 606949 0	MWCU 606949 0	SUCU 606949 0	MUCU 606949 0	UUCU 606949 0	0	0	0				290	301
GCEU 665671 2	GCEU 665671 2	GCEU 665671 2	GCEU 665671 2	GLEU 666673 2	1	1	0				296	307
MWCU 613188 9	MWCU 613188 9	UUCU 613188 9	UUCU 613188 9	UUCU 613188 9	0	0	0				303	313
MAEU 517017 8	MAEU 517017 8	AAEU 517017 8	AAEU 517017 8	AAEU 517017 8	0	0	0				308	319
OOLU 360739 8	OOLU 360739 8	OOLU 360739 8	OOLU 360739 8	OOLU 360739 8	1	1	1				327	336
OOLU 327604 7	OOLU 327604 7	OOLU 327604 7	OOLU 327604 7	ODLU 327604 7	1	1	0				329	338

Nb. of containers : 96

Match Code ID : 63
Match Code ID C1 : 41
Match Code ID C2 : 36

Nb. Of Invalid C1 : 3
Nb. Of Invalid C2 : 5
Nb. Of Invalid : 1

Perfect match code : 18

	C1	C2	PoM
Accuracy :	44.086%	39.560%	66.316%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 168

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID -		Invalid	Invalid	# Image	# Image
2001-08-27	04:04:24	168	00:04:00	127	126	Code ID - C1	Code ID - C2	C1	C2	C1	C2
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match				
GSTU 934620 0	GSTU 934620 0	GSTU 934620 0	GSTU 934620 0	GSTU 934620 0	1	1	0			13	9
OOLU 322518 4	OOLU 322518 4			OOLU 322518 4	0	0	1			31	28
OOLU 349011 0	OOLU 349011 0	OOLU 342018 0	OOLU 349011 0	OOLU 349011 0	0	1	0			32	29
OOLU 718044 7	OOLU 718044 7	OOLU 718044 7	OOLU 718044 7	OOLU 718044 7	1	1	1			37	32
OOLU 503333 9	OOLU 503333 9	OOLU 503333 9	OOLU 503333 9	OOLU 503333 9	1	1	0			49	45
HLCU 203877 9	HLCU 203877 9	HLCU 203877 9	HLCU 203877 9	HLCU 203877 9	1	0	1			53	49
HLXU 214008 7	HLXU 214008 7	HLXU 214008 7	HLXU 214008 7	HLXU 214008 7	1	1	0			54	51
MSKU 814095 6	MSKU 814095 6	MSKU 814095 6	MSKU 814095 6	MSKU 814095 6	1	1	1			72	68
MAEU 815141 7	MAEU 815141 7	MAEU 815711 7	MAEU 815+11 7	MAEU 815111 7	0	0	0			72	68
TRLU 409032 9	TRLU 409032 9	TRLU 409032 9	@RLU 409032 8	TRLU 409032 9	1	0	1			75	71
TRLU 608424 3	TRLU 608424 3	TRIU 608424 9	TRIU 608424 3	TRIU 608424 3	0	0	0			75	71
TRIU 024145 9	TRIU 024145 9			TRIU 024145 9	0	0	1			78	75
TRIU 023045 4	TRIU 023045 4	TRIU 023045 4	TRIU 023045 4	TRIU 023045 4	1	1	0			79	76
PONU 475657 9	PONU 475657 9	PONU 475657 9	PONU 475657 9	PONU 475657 9	1	1	1			83	79
POCU 470739 6	POCU 470739 6	TPOU 470739 6	IIBU 45+32% %	TPOU 470739 6	0	0	0			83	79
MAEU 573268 1	MAEU 573268 1	MAEU 573268 1	MAEU 573268 1	MAEU 573268 1	1	1	0			87	83
PONU 473316 7	PONU 473316 7	PONU 473316 7	PONU 473316 7	PONU 473316 7	1	1	1			87	83
CRLU 514012 0	CRLU 514012 0	CRLU 514012 0	CRLU 514012 0	CRLU 514012 0	1	1	1			92	88
PONU 473205 2	PONU 473205 2	PONU 473205 2	PONU 473205 2	PONU 473205 2	1	1	1			92	88
TRIU 846313 3	TRIU 846313 3	TRIU 846313 3	TRIU 846313 3	TRIU 846313 3	1	1	1			96	92
PONU 476698 3	PONU 476698 3	PONU 476698 3	PONU 476698 3	PONU 476698 3	1	1	1			96	92
PONU 477754 5	PONU 477754 5	PONU 477754 5	PONU 477754 5	PONU 477754 5	1	1	1			100	96
POCU 471159 1	POCU 471159 1	POCU 471159 1	POCU 471159 1	POCU 471159 1	1	1	1			105	101
PONU 476547 8	PONU 476547 8	PONU 476547 8	PONU 476547 8	PONU 416547 8	1	1	0			105	101
MAEU 556060 1	MAEU 556060 1	MAEU 556060 1	MAEU 556060 1	MAEU 556060 1	1	1	0			109	105
CRLU 110185 0	CRLU 110185 0	CRLU 110185 0	CRLU 110185 0	CRLU 110185 0	1	1	1			109	105
GCEU 664834 2	GCEU 664834 2	GCEU 664834 2	GCEU 664834 2	GCEU 664834 2	1	1	1			114	110
PONU 474257 5	PONU 474257 5	PONU 474257 5	PONU 474257 5	PONU 474257 5	1	1	1			114	110
CRLU 110046 9	CRLU 110046 9	CRLU 110046 9	CRLU 110046 9	CRLU 110046 9	1	1	1			118	114
PONU 738916 3	PONU 738916 3				0	0	0			125	122

Nb. of containers : 30 Match Code ID : 23 Nb. Of Invalid C1 : 0
 Match Code ID C1 : 22 Nb. Of Invalid C2 : 0
 Match Code ID C2 : 18 Nb. Of Invalid : 0

Perfect match code : 14

	C1	C2	PoM
Accuracy :	73.333%	60.000%	76.667%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 169

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID -		Invalid	Invalid	# Image	# Image	
2001-08-27	04:44:25	169	00:03:46	123	123	Code ID - C1	Code ID - C2	C1	C2	C1	C2	
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
NYKU 228717 8	NYKU 228717 8				0	0	0				10	12
MSKU 210367 8	MSKU 210367 8				0	0	0				12	14
NDLU 201186 3	NDLU 201186 3				0	0	0				18	19
KNLU 322548 6	KNLU 322548 6				0	0	0				19	20
MAEU 696905 0	MAEU 696905 0				0	0	0				23	24
OCLU 419410 3	OCLU 419410 3				0	0	0				25	29
SEAU 226506 5	SEAU 226506 5	SEAU 226506 5	SEAU 226506 5	SEAU 226506 5	1	1	0				29	30
PONU 013676 0	PONU 013676 0	PONU 013676 0			1	0	1				31	32
CAXU 206268 5	CAXU 206268 5	CAXU 206268 5	CAXU 206288 5	CAXU 206268 5	1	0	1				34	36
PONU 072837 3	PONU 072837 3	PONU 072837 3			1	0	1				36	37
PCVU 133020 7	PCVU 133020 7	PCVU 133020 7	PCVU 133020 7	PCVU 133020 7	1	1	0				40	41
APMU 275056 9	APMU 275056 9	APMU 275056 9	APMU 275056 9	APMU 275056 9	1	1	1				41	43
GSTU 233913 3	GSTU 233913 3	GSTU 233913 3			0	0	0				46	47
CMBU 218493 2	CMBU 218493 2	CMBU 218493 2	CMBU 218493 2	CMBU 218491 2	1	1	0				47	49
DAYU 213293 5	DAYU 213293 5	DAYU 213293 5	DAYU 213293 5	DAYU 213293 5	1	1	1				52	53
TTNU 252389 0	TTNU 252389 0	TTNU 252389 0	TSJU 25+389 0	TINU 252389 0	0	0	0	1			53	55
?C?? 0??3?? ?	?C?? 087311 1				0	0	0	1	1	1	58	59
TEXU 244414 8	TEXU 244414 8	TEXU 244414 8	TEXU 244414 8	TEXU 244414 8	1	1	1				59	60
OCLU 418781 9	OCLU 418781 9	DCLU 418781 9	DCLU 418781 9	DCLU 418781 9	0	0	0				63	65
APMU 275096 0	APMU 275096 0	APMU 727509 6	APMU 727509 6	APMU 727509 6	0	0	0				65	66
SEAU 787131 1	SEAU 787131 1	SEAU 787??? ?			0	0	0				68	71
MSKU 809244 1	MSKU 809244 1	MSKU 809244 1	MSKU 809244 1	MSKU 809244 1	1	1	1				73	76
TTNU 983905 1	TTNU 983905 1	TTNU 983905 ?			0	0	0				78	81
INBU 301244 7	INBU 301244 7	INBU 301244 7	INBU 301244 7	INBU 301244 7	1	1	1				82	84
KNLU 313436 5	KNLU 313436 5	KNLU 313436 5	KNLU 313436 5	KNLU 313436 5	1	1	1				84	85
PONU 718113 8	PONU 718113 8	PONU 718113 8	PONU 718113 8	PONU 718113 8	1	1	1				88	91
MSKU 201493 0	MSKU 201493 0	MSKU 201493 0	MSKU 201493 0	MSKU 201493 0	1	1	0				93	94
POCU 048532 5	POCU 048532 5	POCU 048532 5	POCU 048532 5	POCU 048532 5	1	1	1				95	96
NYKU 659569 3	NYKU 659569 3	NYMU 659569 3	NYMU 659569 3	NYMU 659569 3	0	0	0				97	100
MAEU 602875 9	MAEU 602875 9	MAEU 602875 9	MAEU 602875 9	MAEU 602875 9	1	1	0				101	105
TRIU 474124 1	TRIU 474124 1	TRIU 474124 1	TRIU 474124 1	TRIU 474124 1	1	1	1				106	109
NYKU 243087 0	NYKU 243087 0	NYKU 308?0? ?	NYKU 30870? ?	NYKU 30820? ?	0	0	0				112	113
??U ??9?? ?	GSTU 361973 5				0	0	0	1			116	117
OCLU 140251 7	OCLU 140251 7	MCLU 402511 7	OCLU 402510 7	MCLU 402511 7	0	0	0				116	119
CLOU 236176 5	CLOU 236176 5	CLOU 236176 5	CLOU 236176 5	CLOU 236176 5	1	1	1				117	119
SEAU 230600 9					0	0	0		1		123	
DAYU 421567 0					0	0	0		1		123	

Nb. of containers : 37 Match Code ID : 18 Nb. Of Invalid C1 : 3
 Match Code ID C1 : 14 Match Code ID C2 : 13 Nb. Of Invalid C2 : 3
 Match Code ID C2 : 13 Nb. Of Invalid : 1

Perfect match code : 9

	C1	C2	PoM
Accuracy :	41.176%	38.235%	50.000%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 168

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID -		Invalid	Invalid	# Image	# Image
2001-08-27	04:04:24	168	00:04:00	127	126	Code ID - C1	Code ID - C2	C1	C2	C1	C2
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match				
GSTU 934620 0	GSTU 934620 0	GSTU 934620 0	GSTU 934620 0	GSTU 9346+0 0	1	1	0			13	9
OOLU 322518 4	OOLU 322518 4			OOLU 322518 4	0	0	1			31	28
OOLU 349011 0	OOLU 349011 0	OOLU 342018 0	OOLU 349011 0	OOLU 349011 0	0	1	0			32	29
OOLU 718044 7	OOLU 718044 7	OOLU 718044 7	OOLU 718044 7	OOLU 718044 7	1	1	1			37	32
OOLU 503333 9	OOLU 503333 9	OOLU 503333 9	OOLU 503333 9		1	1	0			49	45
HLCU 203877 9	HLCU 203877 9	HLCU 203877 9		HLCU 203877 9	1	0	1			53	49
HLXU 214008 7	HLXU 214008 7	HLXU 214008 7	HLXU 214008 7		1	1	0			54	51
MSKU 814095 6	MSKU 814095 6	MSKU 814095 6	MSKU 814095 6	MSKU 814095 6	1	1	1			72	68
MAEU 815141 7	MAEU 815141 7	MAEU 815711 7	MAEU 815+11 7	MAEU 815111 7	0	0	0			72	68
TRLU 409032 9	TRLU 409032 9	TRLU 409032 9	@RLU 409032 8	TRLU 409032 9	1	0	1			75	71
TRLU 608424 3	TRLU 608424 3	TRIU 608424 9	TRIU 608424 3	TRIU 608424 3	0	0	0			75	71
TRIU 024145 9	TRIU 024145 9			TRIU 024145 9	0	0	1			78	75
TRIU 023045 4	TRIU 023045 4	TRIU 023045 4	TRIU 023045 4		1	1	0			79	76
PONU 475657 9	PONU 475657 9	PONU 475657 9	PONU 475657 9	PONU 475657 9	1	1	1			83	79
POCU 470739 6	POCU 470739 6	TPOU 470739 6	IIBU 45+32% %	TPOU 470739 6	0	0	0			83	79
MAEU 573268 1	MAEU 573268 1	MAEU 573268 1	MAEU 573268 1	MAEU 573268 1	1	1	0			87	83
PONU 473316 7	PONU 473316 7	PONU 473316 7	PONU 473316 7	PONU 473316 7	1	1	1			87	83
CRLU 514012 0	CRLU 514012 0	CRLU 514012 0	CRLU 514012 0	CRLU 514012 0	1	1	1			92	88
PONU 473205 2	PONU 473205 2	PONU 473205 2	PONU 473205 2	PONU 473205 2	1	1	1			92	88
TRIU 846313 3	TRIU 846313 3	TRIU 846313 3	TRIU 846313 3	TRIU 846313 3	1	1	1			96	92
PONU 476698 3	PONU 476698 3	PONU 476698 3	PONU 476698 3	PONU 476698 3	1	1	1			96	92
PONU 477754 5	PONU 477754 5	PONU 477754 5	PONU 477754 5	PONU 477754 5	1	1	1			100	96
POCU 471159 1	POCU 471159 1	POCU 471159 1	POCU 471159 1	POCU 471159 1	1	1	1			105	101
PONU 476547 8	PONU 476547 8	PONU 476547 8	PONU 476547 8	PONU 416547 8	1	1	0			105	101
MAEU 556060 1	MAEU 556060 1	MAEU 556060 1	MAEU 556060 1	MAEU 556060 1	1	1	0			109	105
CRLU 110185 0	CRLU 110185 0	CRLU 110185 0	CRLU 110185 0	CRLU 110185 0	1	1	1			109	105
GCEU 664834 2	GCEU 664834 2	GCEU 664834 2	GCEU 664834 2	GCEU 664834 2	1	1	1			114	110
PONU 474257 5	PONU 474257 5	PONU 474257 5	PONU 474257 5	PONU 474257 5	1	1	1			114	110
CRLU 110046 9	CRLU 110046 9	CRLU 110046 9	CRLU 110046 9	CRLU 110046 9	1	1	1			118	114
PONU 738916 3	PONU 738916 3				0	0	0			125	122

Nb. of containers : 30 Match Code ID : 23 Nb. Of Invalid C1 : 0
 Match Code ID C1 : 22 Nb. Of Invalid C2 : 0
 Match Code ID C2 : 18 Nb. Of Invalid : 0

Perfect match code : 14

	C1	C2	PoM
Accuracy :	73.333%	60.000%	76.667%

AEI/OCR System Integration



Acceptance Tests Form MOVE 170

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2							
2001-08-27	05:05:45	170	00:03:20	137	130	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
ITLU 667826 9	ITLU 667826 9				0	0	0				2	3
MAEU 617631 3	MAEU 617631 3				0	0	0				2	4
MSKU 245547 3	MSKU 245547 3				0	0	0				3	4
GLDU 403926 0	GLDU 403926 0				0	0	0				6	8
GLDU 792293 3	GLDU 092293 3				0	0	0	1			10	12
PONU 135351 7	PONU 135351 7				0	0	0				13	17
MAEU 720916 0	MAEU 720916 0				0	0	0				22	25
TRIU 537341 6	TRIU 537341 6				0	0	0				27	30
MAEU 808890 5	MAEU 808890 5				0	0	0				27	30
MSKU 610566 3	MSKU 610566 3	MSKU 610566 3	MSKU 610566 3	MSKU 610566 3	1	1	1				33	35
MAEU 731193 2	MAEU 731193 2	?AEU 731?1? ?	IAEU 731+11 2	MAEU 731+1? ?	0	0	0				33	35
SAMU 401567 9	SAMU 401567 9	SAMU 401567 9	?AMU 401567 9	SAMU 401567 6	1	0	0				39	41
SEAU 809374 4	SEAU 809374 4	SEAU 809374 4	SEAU 809374 4	SEAU 809374 4	1	1	1				39	41
OCLU 134168 5	OCLU 134168 5	OCLU 134168 5	OCLU 113416 8	OCLU 134168 5	1	0	1				44	47
PONU 128155 1	PONU 128155 1	PONU 128155 1	PONU 128155 1	PONU 128155 1	1	1	1				44	47
MSKU 614325 7	MSKU 614325 7	MSKU 614325 7	MSKU 614325 7	MSKU 614325 7	1	0	1				49	52
TTNU 495902 8	TTNU 495902 8	TTNU 495902 8	TTNU 495902 8	TTNU 495902 8	1	0	1				49	52
KNLU 460475 6	KNLU 460475 6	KNLU 460475 6	KNLU 460475 6	KNLU 460475 6	1	1	0				54	56
KNLU 460701 4	KNLU 460701 4	KNLU 460701 4	KNLU 460701 4	KNLU 460701 4	1	1	0				54	56
?CEU 756204 2	GCEU 856204 2	GCEU 856204 2	SEAU 854299 2	GCEU 856204 2	1	0	1	1			58	61
SEAU 851299 0	SEAU 851299 0	SEAU 851299 0	SEAU 854299 2	SEAU 851299 0	1	0	1				58	61
SEAU 785588 7	SEAU 785588 7	SEAU 785588 7	SEAU 785588 7	SEAU 785??? ?	1	1	0				63	66
CAXU 711321 3	CAXU 711321 3	?AXU 711??? ?	LAXU 711+21 ?	CAXU 711??? ?	0	0	0				63	66
TRIU 506128 0	TRIU 506128 0	TRIU 506128 0	TRIU 510612 8	TRIU 506128 0	1	0	1				73	76
MAEU 702600 4	MAEU 702600 4	MAEU 702600 4	MAEU 702600 4	MAEU 702141 2	1	1	0				78	80
GATU 409823 4	GATU 409823 4	GATU 409823 4	GATU 409823 4	GATU 409823 4	1	1	0				82	85
TEXU 443606 0	TEXU 443606 0	TEXU 443606 0	TEXU 443606 0	TEXU 443606 6	1	1	0				87	90
OCLU 422337 2	OCLU 422337 2	OCLU 422337 2	OCLU 422337 2	OCLU 422337 2	1	0	1				92	95
OCLU 422624 2	OCLU 422624 2	OCLU 422624 2	OCLU 422624 2	OCLU 422624 2	1	1	1				98	100
NDLU 400531 9	NDLU 400531 9	??U 4005?? ?	NDLU 4005?? ?	IIDU 40053? ?	0	0	0				102	105
KNLU 460909 0	KNLU 460909 0	KNLU 460909 0	KNLU 460909 0	KNLU 460909 1	1	1	0				106	109
OCLU 136442 2	OCLU 136442 2	OCLU 136442 2	OCLU 136442 2	OCLU 136442 2	1	1	0		1		110	
TTNU 553707 4	TTNU 553707 4	TTNU 553707 4	TTNU 553707 4	TTNU 553707 4	0	0	0				114	
TRIU 370742 7	TRIU 370742 7	TRIU 370742 7	TRIU 370742 7	TRIU 370742 7	0	0	1				120	115
SEAU 230045 9	SEAU 230045 9	SEAU 300459 ?	SEAU 300459 ?	SEAU 300459 ?	0	0	0				122	116
MSKU 209735 9	MSKU 209735 9	MSKU 209735 9	MSKU 209735 9	MSKU 209735 9	1	1	0		1		131	125
SEAU 221615 8	SEAU 221615 8				0	0	0				133	127

Nb. of containers : 37 Match Code ID : 21 Nb. Of Invalid C1 : 2
 Match Code ID C1 : 13 Match Code ID C2 : 12 Nb. Of Invalid C2 : 2
 Match Code ID C2 : 12 Nb. Of Invalid : 0

Perfect match code : 4

	C1	C2	PoM
Accuracy :	37.143%	34.286%	56.757%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 200

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID -		Invalid	Invalid	# Image	# Image	
2001-08-30	03:46:33	200	00:07:48	310	311	Code ID - C1	Code ID - C2	C1	C2	C1	C2	
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
HLXU 203218 0	HLXU 203228 0				0	0	0				11	10
HLXU 220928 6	HLXU 220928 6	HLXU 220928 6	HLXU 220928 6	HLXU 203208 0	1	1	0		1		12	11
OOLU 316911 5	OOLU 316711 5				0	0	0				15	14
OOLU 314101 5	OOLU 314101 5	OOLU 314101 5	OOLU 314101 5	OOLU 316115 %	1	1	0				16	15
HLXU 434908 1	HLXU 434908 1	HLXU 434908 1	HLXU 434908 1	HLXU 434908 1	1	1	1				20	18
HLXU 600545 0	HLXU 600545 0	HLXU 600545 0	HLXU 600545 0	HLXU 600545 0	1	1	1				20	18
PONU 743290 6	PONU 743290 6				0	0	0				27	25
MSKU 605503 2	MSKU 605503 2	MSKU 605503 2	MSKU 605503 2	MSKU 605503 2	1	1	1				30	28
PONU 713142 0	PONU 713142 0	PONU 713142 0	PONU 713142 0	PONU 713142 0	1	1	1				33	31
MSKU 800443 5	MSKU 800443 5	MSKU 800443 5	MSKU 800443 5	MSKU 800443 5	1	1	1				36	34
TEXU 464502 8	TEXU 464502 8	TEXU 464502 8	TEXU 464502 8	TEXU 464502 8	1	1	0				40	38
MSAU 561134 8	MSAU 561134 8	MSAU 561134 8	MSAU 561134 8	MSAU 561134 8	1	1	0				40	38
PONU 711510 0	PONU 711510 0	PONU 711510 0	PONU 711510 0	PONU 711510 0	1	1	1				45	42
TTNU 950805 3	TTNU 950805 3				0	0	0				45	42
TEXU 730307 6	TEXU 730307 6	TEXU 730307 6	TEXU 730307 6	TEXU 730307 6	1	1	1				49	47
SEAU 809901 7	SEAU 809901 7	SEAU 809901 7	SEAU 809901 7	SEAU 809901 7	1	1	1				49	47
UXXU 229357 0	UXXU 229357 0	UXXU 229357 0	UXXU 229357 0	UXXU 229357 0	1	0	1				52	51
??TU ????? 0	GSTU 463096 0				0	0	0	1			53	52
NUKU 542018 1	NUKU 542018 1	NYKU 542018 1	NYKU 542018 1	NYKU 542018 1	0	0	0				57	55
???? 603562 7	MWCU 603562 7	??PU 603562 7		MJCU 603562 7	0	0	0	1			57	55
TTNU 922157 2	TTNU 922157 2	TTNU 922157 2	TTNU 922157 2	TTNU 922157 2	1	1	1				66	63
MAEU 806439 6	MAEU 806439 6	MAEU 806439 6	MAEU 806439 6	MAEU 806439 6	1	1	1				69	67
MAEU 816753 7	FAEU ?16753 7	MAEU 816753 7	MAEU 816753 7	MLLU 316753 7	1	1	0		1		73	70
MAEU 826905 6	MAEU 826905 6	MAEU 826905 6	MAEU 826905 6	MAEU 826905 6	1	1	0				76	74
MSKU 808069 3	MSKU 808069 3	MSKU 808069 3	MSKU 808069 3	MSKU 808069 3	1	1	1				79	77
FSCU 614722 0	FSCU 614722 0	FSCU 614722 0	FSCU 614722 0	FSCU 614722 0	1	1	1				89	87
OCLU 703100 7	OCLU 703100 7	OCLU 703100 7	OCLU 703100 7	OCLU 703100 7	1	0	1				93	91
FRLU 961007 6	FRLU 961007 6	FRLU 961007 6	FRLU 961007 6	FRLU 961007 6	1	1	1				98	95
MSKU 607401 1	MSKU 607401 1	MSKU 607401 1	MSKU 607401 1	MSKU 607401 1	1	1	1				102	100
MWCU 613046 0	MWCU 613046 0	MWCU 613046 0	MWCU 613046 0		1	1	0				134	133
MWCU 660066 7	MWCU 660066 7				0	0	0				134	133
MAEU 570990 6	MAEU 570990 6	MAEU 570990 6	?OJU 570990 6	MAEU 570990 6	1	0	1				139	137
MWCU 657622 0	MWCU 657622 0	MWCU 657622 0	MWCU 657622 0	MWCU 657622 0	1	1	1				139	137
ZCSU 501775 2	ZCSU 501775 2	ZCSU 501775 2	ZCSU 501775 2	ZCSU 501775 2	1	0	1				143	142
MAEU 580089 4	MAEU 580089 4	MAEU 580089 4	MAEU 580089 4	MAEU 580089 4	1	0	1				143	142
CNGU 000859	CNGU 000859	CSLU ??0859 ?	CSLU ??0859 ?		0	0	0				148	164
MAEU 517286 4	MAEU 517286 4	MAEU 517286 4	MAEU 517286 4	MAEU 517286 4	1	0	1				151	150
???? ????? 2	???? ????? 2				0	0	0	1	1	1	164	164
MSKU ?11?50 5	MSKU ?11?50 5				0	0	0	1	1	1	165	165
???? ????? 2	???? ????? 2				0	0	0	1	1	1	167	166
???? ????? 2	???? ????? 2				0	0	0	1	1	1	169	169
???? ????? 8	???? ????? 8				0	0	0	1	1	1	171	171
???? ????? 2	???? ????? 2				0	0	0	1	1	1	174	173
???? ????? 2	???? ????? 2				0	0	0	1	1	1	178	176
???? ????? 2	???? ????? 2				0	0	0	1	1	1	181	180
???? ????? 2	???? ????? 2				0	0	0	1	1	1	183	183
???? ????? 2	???? ????? 2				0	0	0	1	1	1	185	184
???? ????? 2	???? ????? 2				0	0	0	1	1	1	188	188
???? ????? 2	???? ????? 2				0	0	0	1	1	1	189	187
???? ????? 2	???? ????? 2				0	0	0	1	1	1	189	187
M?? ???? 2	M?? ???? 2				0	0	0	1	1	1	192	193
???? ????? 2	???? ????? 2				0	0	0	1	1	1	193	192
???? ????? 2	???? ????? 2				0	0	0	1	1	1	193	192
??M? ???? 5	??M? ???? 5				0	0	0	1	1	1	197	198
???? ????? 2	???? ????? 2				0	0	0	1	1	1	198	197
???? ????? 2	???? ????? 2				0	0	0	1	1	1	198	197
NUK? ????? 2	NUK? ????? 2				0	0	0	1	1	1	202	201
???? ????? 2	???? ????? 2				0	0	0	1	1	1	202	201
???? ????? 2	???? ????? 2				0	0	0	1	1	1	205	204
???? ????? 2	???? ????? 2				0	0	0	1	1	1	205	204
M?? ???? 2	M?? ???? 2				0	0	0	1	1	1	208	207
???? ????? 2	???? ????? 2				0	0	0	1	1	1	208	207
???? ????? 2	???? ????? 2				0	0	0	1	1	1	211	210
???? ????? 2	???? ????? 2				0	0	0	1	1	1	211	210

AEI/OCR System Integration



Acceptance Tests Form

MOVE 200

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2													
2001-08-30	03:46:33	200	00:07:48	310	311	Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	214	213
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	214	213
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	216	216
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	219	218
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	221	222
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	222	221
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	222	221
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	225	226
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	226	225
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	226	225
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	230	231
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	231	229
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	231	229
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	235	234
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	235	234
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	239	238
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	242	241
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	246	245
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	250	248
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	252	252
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	253	253
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	256	256
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	257	257
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	261	260
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	261	260
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	265	264
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	270	269
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	274	273
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	279	277
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	279	277
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	282	282
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	282	282
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	287	285
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	287	285
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	291	290
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	291	290
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	296	296
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	300	299
???? ?	???? ?					0	0	0	0	0	0	0	0	1	1	1	308	307

Nb. of containers : 103 Match Code ID : 28 Nb. Of Invalid C1 : 68
 Match Code ID C1 : 22 Nb. Of Invalid C2 : 69
 Match Code ID C2 : 21 Nb. Of Invalid : 66

Perfect match code : 15

	C1	C2	PoM
Accuracy :	62.857%	61.765%	75.676%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 208

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2							# Image	# Image	
2001-08-31	04:42:51	208	00:11:55	342	332	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	C1	C2	C1	C2
TTNU 946210 0	TTNU 946210 0	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	1	0						15	12
SFAU 816379 6	SEAU 816379 6	SEAU 816379 6	SEAU 816379 6	SEAU 816379 6	1	0	1						15	12
OCLU 702314 6	OCLU 702314 6	???? ????? ?	OCLU 702014 6	OCLU 023468 8	0	0	0	1					20	17
TRIU 902506 5	TRIU 902506 5	LAIU 902506 3	TAIU 9+2504 8	IAIU 902506 5	0	0	0						20	17
NYKU 541202 0	NYKU 541202 0	NYKU 541202 0	NYKU 541202 0	NYKU 541202 0	1	0	1						26	22
PONU 720714 5	PONU 720714 5	PONU 720714 5	PONU 720714 5	PONU 720714 5	1	0	1						26	22
IEAU 450936 6	IEAU 450936 6	IEAU 450936 6	IEAU 450936 6	IEAU 450936 6	1	1	1						30	27
MAEU 575024 2	MAEU 575024 2	MAEU 575024 2	ICUU 575024 2	MAEU 575024 2	1	0	1						30	27
TRLU 470557 3	TR?U 470557 3	?PMU 470557 3	?PMU 470557 3	?PMU 470557 3	0	0	0						35	32
APMU 557505 3	APMU 557505 3	APMU 557505 3	APMU 557505 3	APMU 557505 3	1	1	1			1			40	37
TRIU 568519 0	TRIU 568519 0	TRIU 568519 0	TRIU 568519 0	TRIU 568519 0	1	1	1						45	42
TEXU 726041 5	TEXU 726041 5	TEXU 726041 5	TEXU 726041 5	TEXU 726041 5	1	1	1						49	47
TRLU 289752 2	TRLU 289752 2	TRLU 289752 2	TRLU 289752 2	TRLU 289752 2	1	1	1						53	52
???? ????? ?	CM?U 23457? 2	T? ?U 86?221 0	T? ?U 86?221 0	T? ?U 86+221 0	0	0	0	1	1	1			54	53
POCU 017711 1	POCU 017711 1	POCU 017711 1	POCU 017711 1	POCU 017711 1	1	1	1						58	57
GATU 054756 9	GATU 054756 9	GATU 054756 9	GATU 054756 9	GATU 054756 9	1	1	0						59	58
KNLU 503883 8	KNLU 503883 8	KNLU 503883 8	KNLU 503883 8	KNLU 503883 8	1	1	0						64	61
TRIU 502112 2	TRIU 502112 2	TRIU 502112 2	TRIU 502112 2	TRIU 502112 2	1	1	0						68	
???? ????? ?	???? ????? ?	CSLU 716551 8	CSLU 716551 8	CSLU 716551 ?	0	0	0	1	1	1			79	
CNGU 000875 ?	CNGU 000875 ?	CNGU 000875 ?	CNGU 000875 ?	CNGU 000875 ?	0	0	0	1	1	1			84	
HLCU 220015 4	HLCU 220015 4	HLCU 220015 4	HLCU 220015 4	HLCU 220015 4	1	0	1						88	76
TTNU 277385 7	TTNU 277385 7	TTNU 277385 7	TTNU 277385 7	TTNU 277385 7	0	0	1	1					89	78
TEXU 450300 2	TEXU 450300 2	TEXU 450300 2	TEXU 450300 2	TEXU 450300 2	1	0	1						94	81
PONU 139288 0	PONU 139288 0	PONU 139288 0	PONU 139288 0	PONU 139288 0	1	1	1						99	86
PONU 743400 4	PONU 743400 4	PONU 743400 4	PONU 743400 4	PONU 743400 4	1	1	1						99	86
MSKU 819675 0	MSKU 819675 0	MSKU 819675 0	MSKU 819675 0	MSKU 819675 0	1	1	1						103	91
INBU 470167 2	?NBU ?701?7 2	INBU 479167 9	INBU 479167 9	INBU 479167 9	0	0	0			1			103	91
OCLU 151745 5	OCLU 151745 5	OCLU 151745 5	OCLU 151745 5	OCLU 151745 5	1	1	1						108	96
INBU 531501 5	INBU 531501 5	INBU 531501 5	INBU 531501 5	INBU 531501 5	1	1	0						108	96
KNLU 430650 9	KNLU 4?7?650 9	KNLU 430650 9	KNLU 430650 9	KNLU 430650 9	0	0	0			1			113	100
MAEU 738108 2	MAEU 738108 2	MAEU 738108 2	MAEU 738108 2	MAEU 738108 2	0	0	0						113	100
PONU 096412 6	PONU 096412 6	PONU 096412 6	PONU 096412 6	PONU 096412 6	1	1	1						118	105
SEAU 218603 2	SEAU 218603 2	SEAU 218603 2	SEAU 218603 2	SEAU 218603 2	1	1	1						117	107
INBU 487101 0	INBU 487101 0	INBU 487131 0	INBU 487131 0	INBU 487131 0	0	0	0						118	105
PONU 124779 4	PONU 124779 4	PONU 124779 4	PONU 124779 4	PONU 124779 4	1	1	1						123	110
POCU 120955 3	POCU 120955 3	POCU 120955 3	POCU 120955 3	POCU 120955 3	1	1	0						123	110
MAEU 681940 4	MAEU 681940 4	MAEU 681940 4	MAEU 681940 4	MAEU 681940 4	1	1	1						127	115
GLDU 029607 0	GLDU 029607 0	GLDU 029607 0	GLDU 029607 0	GLOU 029607 0	1	1	0						128	116
PRSU 406483 0	PRSU 406483 0	PRSU 406483 0	PRSU 406483 0	PRSU 406483 0	1	0	1						128	115
OCLU 150474 0	OCLU 150474 0	OCLU 150474 0	OCLU 150474 0	OCLU 150474 0	1	0	1						133	120
GSTU 737610 3	GSTU 737610 3	GSTU 737610 3	GSTU 737610 3	GSTU 737610 3	1	0	0						133	120
MSKU 233700 1	MSKU 233700 1	MSKU 233700 1	MSKU 233700 1	MSKU 233700 1	1	1	1						136	125
INBU 335225 7	INBU 335225 7	INBU 335225 7	IMBU 335225 7	INBU 335225 7	1	0	1						137	126
MAEU 805021 6	MAEU 805021 6	MAEU 805021 6	MAEU 805021 6	MAIU 805112 6	1	1	0						137	125
TTNU 211508 0	TTNU 211508 0	TTNU 211508 0	ITNU 21150? ?	TTNU 211508 0	1	0	1						141	130
SCMU 204896 1	SCMU 204896 1	SCMU 204896 0	SCMU 204896 0	SCMU 204896 0	0	0	0						142	131
OCLU 153214 6	OCLU 153214 6	OCLU 153214 6	OCLU 153214 6	OCLU 532141 6	1	1	0						142	130
SEAU 225496 5	SEAU 225496 5	SEAU 225496 5	AEAU 225496 5	SEAU 225496 5	1	1	0						146	134
MAEU 775466 9	MAEU 775466 9	MAEU 775466 9	MAEU 775466 9	MAEU 775466 9	1	1	0						147	136
MAEU 821677 6	MAEU 821677 6	MAEU 821677 6	MAEU 821677 6	MAIU 821671 6	1	1	0						147	134
GESU 204825 0	GESU 204825 0	GESU 204175 0	GESU 204875 0	GESU 204175 0	0	0	0						151	139
POCU 040112 9	POCU 040112 9	POCU 040112 9	POCU 040112 9	POCU 040112 9	1	1	1						152	139
POCU 420609 6	POCU 420609 6	POCU 420609 6	POCU 420809 6	POCU 420609 6	1	0	1						152	141
KNLU 460689 3	KNLU 460689 3	KNLU 460689 3	KNLU 460689 3	KNLU 460689 3	1	1	1						157	144
TTNU 496902 6	TTNU 496902 6	TTNU 496902 6	?TNU 496902 6	?TNU 496902 6	1	0	0						165	152
MAEU 681757 2	MAEU 681757 2	MAEU 681757 2	MAEU 681757 2	MAEU 681757 2	1	0	1						167	156
CAXU 608?44 8	CAXU 608644 8	CAXU 608644 8	CAXU 608644 8	CAXU 608644 8	1	0	1						169	157
PONU 143727 0	PONU 143727 0	PONU 143727 0	PONU 143727 0	PONU 143727 0	1	0	1						172	159
MLCU 950116 2	MLCU 950116 2	MLCU 950116 2	MLCU 950116 2	MLCU 950116 2	1	0	1						176	163
TEXU 541658 2	TEXU 541658 2	TEXU 541658 2	TEXU 541658 2	TEXU 541658 2	1	1	1						176	163
PONU 731198 8	PONU 731198 8	PONU 731198 8	PONU 731198 8	PONU 731198 8	1	1	1						181	168
PONU 719428 5	PONU 719428 5	PONU 719428 5	PONU 719428 5	PONU 719428 5	1	1	1						181	168
POCU 113202 4	POCU 113202 4	POCU 113202 4	POCU 113202 4	POCU 113202 4	1	1	1						185	173

AEI/OCR System Integration



Acceptance Tests Form

MOVE 208

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2							
2001-08-31	04:42:51	208	00:11:55	342	332							
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
PONU 129138 0	PONU 129138 0	PONU 129138 0	PONU 129138 0	PONU 129138 0	1	1	1				185	173
POCU 039395 4	POCU 039395 4	POCU 039395 4	POCU 039395 4	POCU 039395 4	1	1	0				189	178
GATU 096320 5	GATU 096320 5	GATU 096320 5	GATU 096320 5	GATU 096320 5	1	0	1				190	179
???? ???? ?	INKU ?224? ?	???? ???? ?	???? ???? ?	???? ???? ?	0	0	0	1	1	1	190	178
MWCU 603003 4	MWCU 603003 4	MWCU 603003 4	MWCU 603003 4	MWCU 603003 4	1	1	1				195	183
MAEU 403049 0	MAEU 403049 0	MAEU 403049 0	MAEU 403049 0	MMEU 403040 0	1	1	0				195	183
CNGU 000849 ?	CNGU 000849 ?	ZLLU ?00849 ?	ZLLU ?00849 ?	ZLLU ?00849 ?	0	0	0	1	1	1	200	188
???? 104526 0	???? 104526 0	LXMU 104526 0	LXMU 104526 0	LXMU 104526 0	0	0	0	1	1	1	200	188
MWCU 612152 0	MWCU 612152 0	MICU 612152 0	MICU 612152 0	MICU 612152 0	0	0	0				206	193
CRLU 518567 5	CRLU 518567 5	CRLU 518567 5	CRLU 518567 5	CRLU 518567 5	1	1	1				206	193
GATU 417189 1	GATU 417189 1	TRZU 4790?? ?	TRZU 4790?? ?	TRZU 4790?? ?	0	0	0				210	197
OCLU 146382 6	OCLU 146382 6	OCLU 146382 6	OCLU 146382 6	OCLU 146382 6	1	1	0				213	200
GESU 216450 1	GESU 216450 1	GESU 218460 0	GESU 218460 0	GESU 216451 1	0	0	0				216	204
POCU 051716 6	POCU 051716 6	POCU 051716 6	POCU 051716 6	POCU 051716 6	1	1	1				217	205
PONU 733260 9	PONU 733260 9	PONU 733260 9	PONU 733260 9	PONU 733260 9	1	1	1				217	204
TTNU 920479 1	TTNU 920479 1	TTNU 920479 1	TTNU 920479 1	TTNU 920479 1	1	0	1				222	209
MSKU 619546 1	MSKU 619546 1	MSKU 619546 1	MSKU 619546 1	ASKU 619546 1	1	1	0				222	209
MSKU 816327 3	MSKU 816327 3	MSKU 816327 3	MSKU 816327 3	MSKU 816327 3	1	1	1				227	214
SEAU 860669 9	SEAU 860669 9	SEAU 860669 9	SEAU 860669 9	SLAU 860669 9	1	0	0				227	214
HLXU 223502 7	HLXU 223502 7	HLXU 223502 7	HLXU 223502 7	HLXU 223502 7	1	1	1				230	218
HLCU 240609 0	HLCU 240609 0	HLCU 240609 0	HLCU 240609 0	HLCU 240609 0	1	1	0				231	219
HLCU 426990 4	HLCU 426990 4	HLCU 426990 4	HLCU 426990 4	ILCU 426990 4	1	0	0				234	222
HLCU 462999 7	HLCU 462999 7	HLCU 462999 7	HLCU 462999 7	HLCU 462999 7	1	0	1				234	222
HLXU 250263 2	HLXU 250263 2	HLXU 250263 2	HLXU 250263 2	HLXU 250263 2	1	1	1				237	225
HLXU 215071 6	HLXU 215071 6	HLXU 215071 6	HLXU 215071 6	HLXU 215071 6	1	1	0				238	226
HLXU 404346 6	HLXU 404346 6	HLXU 404346 6	HLXU 404346 6	HLXU 404346 6	1	1	1				238	225
HLXU 411447 2	HLXU 411447 2	HLXU 411447 2	HLXU 411447 2	HLXU 411447 2	1	1	1				241	228
HLXU 420769 9	HLXU 420769 9	HLXU 420769 9	HLXU 420769 9	HLXU 420769 9	1	1	1				241	228
HLXU 233820 0	HLXU 233820 0	HLXU 233820 0	HLXU 233820 0	HLXU 233820 0	1	1	1				244	232
HLCU 211563 8	HLCU 211563 8	HLCU 211263 9	HLCU 211263 9	HLCU 211563 8	0	0	0				245	233
HLXU 435078 1	HLXU 435078 1	HLXU 435078 1	HLXU 435078 1	HLXU 435078 1	1	1	1				245	232
OCLU 144922 1	OCLU 144922 1	OCLU 144922 1	OCLU 144922 1	OCLU 144922 1	1	1	1				249	237
PONU 143698 8	PONU 143698 8	PONU 143698 8	PONU 143698 8	PONU 143698 8	1	1	1				249	237
???? ???? ?	GSTU 826320 4	GSTU 826320 4	GSTU 826320 4	GSTU 826320 4	1	0	1	1			253	241
MAEU 677666 3	MAEU 677666 3	MAEU 677666 3	MAEU 677666 3	MAEU 677666 3	1	1	1				256	244
CRXU 107106 0	CRXU 107106 0	CRXU 107106 0	CR+U 107106 0	CRXU 107106 0	1	0	1				257	246
POCU 058864 2	POCU 058864 2	POCU 058864 2	POCU 058864 2	POCU 058864 2	1	1	1				260	248
TOLU 320941 8	TOLU 320941 8	TOLU 3209?? ?	TOLU 3209?? ?	TOLU 320941 ?	0	0	0				261	250
APMU 283083 3	APMU 283083 3	APMU 283083 3	APMU 283083 3	APMU 283083 3	1	1	0				264	252
MSKU 214735 7	MSKU 214735 7	MSKU 214735 7	MSKU 214735 7	MSKU 214735 7	1	1	0				265	254
HLXU 301346 7	HLXU 301346 7	HLXU 301346 7	HLXU 301346 7	HLXU 301346 7	1	1	0				269	257
HLXU 238549 6	HLXU 238549 6	HLXU 238549 6	HLXU 238549 6	HLXU 238549 6	1	1	0				270	258
HLXU 612394 0	HLXU 612394 0	HLXU 612394 0	HLXU 612394 0	HLXU 612394 0	1	1	0				270	257
HLCU 401205 3	HLCU 401205 3	HLCU 401205 3	HLCU 401205 3	HLCU 401205 3	1	1	1				280	267
HLCU 407093 3	HLCU 407093 3	HLCU 407093 3	HLCU 407093 3	HLCU 446709 3	1	1	0				280	267
HLCU 423851 8	HLCU 423851 8	HLCU 423851 8	HLCU 423851 8	HLCU 423851 8	1	1	1	1			285	272
HLXU 405619 1	HLXU 405619 1	???? ???? ?	HLXU 340581 9	HLXU 405619 0	0	0	0				285	272
HLCU 404969 0	HLCU 404969 0	HLCU 404969 0	HLCU 404969 0	HLCU 404969 0	1	1	0				290	277
HLXU 424922 5	HLXU 424922 5	HLXU 424922 5	HLXU 424922 5	HLXU 424922 5	1	1	1				290	277
HLXU 426553 0	HLXU 426553 0	HLXU 426553 0	HLXU 426553 0	HLXU 426553 0	1	1	0				295	282
HLXU 438645 0	HLXU 438645 0	HLXU 438645 0	HLXU 438645 0	HLXU 438645 0	1	1	1				295	282
HLXU 404370 1	HLXU 404370 1	HLXU 404370 1	HLXU 404370 1	HLXU 404370 1	1	1	1				300	288
NYKU 243012 3	NYKU 243012 3	NYKU 243012 3	NYKU 243012 3	NYKU 243012 3	1	0	1				314	303
TTNU 288548 ?	TTNU 288548 ?	TTNU 288548 ?	TTNU 288548 ?	TTNU 288548 ?	0	0	0	1	1	1	316	304
MAEU 714756 2	MAEU 714756 2	MAEU 714756 2	MAEU 714756 2	MAEU 714756 2	1	1	1				320	307
TRIU 987972 1	TRIU 987972 1	TRIU 987972 1	TRIU 987972 1	TRIU 987972 1	1	1	0				324	311
CLHU 821627 7	CLHU 821627 7	CLHU 821627 7	CLHU 821627 7	CLHU 821627 7	1	1	0				328	315
POCU 118476 9	POCU 118476 9	POCU 1???? ?	POCU 184761 9	POCU 118476 9	0	0	1				332	319
GATU 844509 6	GATU 844509 6	GATU 844509 6	GATU 844509 6	GAYU 844509 6	1	1	0				332	319

Nb. of containers : 122
 Match Code ID : 98
 Match Code ID C1 : 71
 Match Code ID C2 : 68
 Nb. Of Invalid C1 : 11
 Nb. Of Invalid C2 : 12
 Nb. Of Invalid : 7

Perfect match code : 43

	C1	C2	PoM
Accuracy :	63.964%	61.818%	85.217%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 209

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID - C1		Code ID - C2		Invalid C1	Invalid C2	# Image C1	# Image C2
2001-08-31	05:21:10	209	00:01:35	80	80	PoM Match	C1 Match	Match	Match	C1	C2	C1	C2
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match	Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
TRLU 431080 3	TRLU 431080 3	TRLU 431080 3	TRLU 431080 3	TRLU 431080 9	1	0	1	1				7	10
TRIU 517493 9	TRIU 517493 9	TRIU 517493 9	TRIU 517493 9	TRIU 517493 9	1	1	1	1				16	19
MSKU 201024 0	MSKU 201024 0	MSKU 201024 0	MSKU 201024 0	MSKU 201024 0	0	0	0	0				20	21
TTNU 244759 4	TTNU 244759 4	TTNU 244759 4	TTNU 244759 4	TTNU 249%% %	1	0	1	1				22	23
??TU 239623 6	GSTU 239623 6	GSTU 239623 6	GSTU 239623 6	GSTU 2396+3 6	0	0	0	0	1			24	25
HLXU 205197 1	HLXU 205197 1	HLXU 205197 1	HLXU 205197 1	HLXU 205197 1	1	1	1	1				29	30
HLXU 462078 1	HLXU 462068 1	HLXU 462068 1	HLXU 462068 1	MLXU 462068 1	1	0	1	1	1			29	31
HLXU 216031 3	HLXU 216031 3	HLXU 216031 3	HLXU 216031 3	HLXU 216031 0	1	1	0	0				30	31
HLXU 225141 3	HLXU 225141 3	HLXU 225141 3	HLXU 225141 3	HLXU 225141 3	1	1	1	1				33	35
HLCU 461454 9	HLCU 461454 9	HLCU 461454 9	HLCU 461454 9	HLCU 461454 9	1	1	1	1				33	36
HLCU 218322 6	HLCU 218322 6	HLCU 218322 6	HLCU 218322 6	HLCU 218322 6	1	1	1	1				34	36
HLCU 4637?? ?	HLCU 4637?? ?	HLCU 4637?? ?	HLCU 4637?? ?	HLCU 4632%% %	0	0	0	0	1	1	1	38	40
HLXU 436909 3	HLXU 436909 3	HLXU 436909 3	HLXU 436909 3	FLXU 436909 3	1	0	1	1				38	40
HLXU 412680 6	HLXU 412680 6	HLXU 412680 6	HLXU 412680 6	HLXU 412680 6	0	0	0	0				43	46
HLCU 454970 0	HLCU 454970 0	HLCU 454970 0	HLCU 454970 0	HLCU 454970 0	0	0	0	0				43	46
GATU 430409 0	GATU 430409 0	GATU 430409 0	GATU 430409 0	GATU 430409 0	1	1	1	1				48	51
GATU 846300 0	GATU 846300 0	GATU 846300 0	GATU 846300 0	GATU 846300 0	1	1	1	1				48	51
HLXU 458561 5	HLXU 458561 5	HLXU 458561 5	HLXU 458561 5	HLXU 458561 5	1	1	1	1				53	55
GATU 419519 4	GATU 419519 4	GATU 419519 4	GATU 419519 4	OATU 419519 4	1	0	1	1				53	55
HLCU 260583 0	HLCU 260583 0	HLCU 260583 0	HLCU 260583 0	HLCU 200583 0	1	0	0	0				58	59
HLCU 223755 4	HLCU 223755 4	HLCU 223755 4	HLCU 223755 4	HLCU 223755 4	1	1	1	1				60	61
HLCU 26189? ?	HLCU 26189? ?	HLCU 261896 7	HLCU 261896 7	HLCU 261896 5	0	0	0	0	1	1	1	62	64
GATU 025699 0	GATU 025699 0	GATU 025699 0	GATU 025699 0	GATU 025699 0	1	1	1	1				64	65
HLCU 242781 0	HLCU 242781 0	HLCU 242781 0	HLCU 242781 0	HLCU 242781 %	1	0	0	0				67	68
HLXU 215616 5	HLXU 215616 5	HLXU 215616 5	HLXU 215616 5	HLXU 215616 5	1	0	1	1				68	69
H?CU 261582 3	H?CU 261582 3	H?CU 261582 3	H?CU 261582 3	H+CU 201582 3	0	0	0	0	1	1	1	71	72
HLCU 260214 8	HLCU 260214 8	HLCU 260214 8	HLCU 260214 8	H+CU 280214 %	1	1	0	0				72	73
HLCU 260225 6	HL?? 260225 6	HLCU 260225 6	HLCU 260225 6	HLIU 200225 6	1	1	0	0			1	75	76
HLXU 202113 3	HLXU 202113 3	HLXU 202113 3	HLXU 202113 3	HLXU 202113 3	1	1	1	1				77	78

Nb. of containers : 29
 Match Code ID : 22
 Match Code ID C1 : 14
 Match Code ID C2 : 17
 Nb. Of Invalid C1 : 5
 Nb. Of Invalid C2 : 4
 Nb. Of Invalid : 3

Perfect match code : 11

	C1	C2	PoM
Accuracy :	58.333%	68.000%	84.615%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 215

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID -		Invalid		# Image		
2001-09-01	02:16:40	215	00:06:09	319	300	C1 Match	C2 Match	C1	C2	Invalid	Image	
Visual Inspection C1	Visual Inspection C2	POM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	C2 Match	C1	C2	Invalid	C1	C2
PONU 476024 4	PONU 476024 4	PONU 476024 4	PONU 476024 4	PONU 476024 4	1	0	1				8	10
KNLU 472887 0	KNLU 472887 0	KNLU 472887 0	K+IU 472887 0	KNLU 472887 0	1	0	1				13	15
PONU 472571 0	PONU 472571 0	PONU 472571 0	PONU 472571 0	PONU 472571 0	1	1	1				13	15
PONU 473575 0	PONU 473575 0	PONU 473575 0	PONU 473575 0	PONU 473575 0	1	1	0				19	21
TOLU 783175 4	TOLU 783175 4	TOLU 783175 4	IOIU 783175 4	IOLU 783175 4	1	0	0				19	21
SCZU 497358 6	SCZU 497358 6	SCZU 497358 6			0	0	0				24	26
PONU 472652 7	PONU 472652 7	PONU 472652 7			0	0	0				24	26
???? ????? ?	CNGU 000861 ?	CJMU 000861 ?		CJMU 000861 ?	0	0	0	1	1	1	29	31
PONU 474079 9	PONU 474079 9	PONU 474079 9	PONU 474079 9	PONU 474079 9	1	1	1				29	31
CRLU 710610 4	CRLU 510610 4	CRLU 510610 4	CRLU 310610 4	CRLU 510610 4	1	0	1		1		34	36
PONU 474990 2	PONU 474990 2	PONU 474990 2	PONU 474990 2	PONU 474990 2	1	1	1				34	36
CRLU 512531 5	CR?? 512531 5	CRLU 512531 5	CRLU 512531 5	CRMU 625315 ?	1	1	0		1		39	41
REDU 499155 9	REDU 499155 9	REDU 499155 9	REOU 499155 9	REDU 499155 9	1	0	1				39	41
POCU 470518 2	POCU 470518 2	POCU 470518 2	POCU 470518 2	POCU 470518 8	1	1	0				44	46
TOLU 591093 6	TOLU 591093 6	TOLU 591093 6	TOLU 591093 6	TOLU 591093 6	1	1	1				44	46
PONU 472512 0	PONU 472512 0	PONU 472512 0	PONU 472512 0	PONU 472512 0	1	1	1				49	51
PONU 474198 5	PONU 474198 5	PONU 474198 5	PONU 474198 5	PONU 474198 5	1	1	1				49	51
MSKU 206501 1	MSKU 206501 1	MSKU 206501 1	MSKU 206501 1	MSKU 206501 1	1	1	1				54	55
APMU 277490 9	APMU 277490 ?	APMU 277490 9	APMU 277490 9	APJU 277490 1	1	1	0				56	57
SEAU 210237 1	SEAU 210237 1	SEAU 210237 1	SEAU 210237 1	SEAU 210237 1	1	1	1		1		59	60
MAEU 779110 6	MAEU 779110 6	MAEU 779110 6	IAEU 779110 6	MAEU 779110 6	1	0	1				60	61
PONU 748504 3	PONU 748504 3	PONU 748504 3	PONU 748504 3	PONU 748504 3	1	1	1				62	65
PONU 739584 4	PONU 739584 4	PONU 739584 4	PONU 739584 4	PONU 739584 4	1	1	1				66	68
CLHU 824136 7	CLHU 824136 7	CLHU 824136 7	CLHU 824136 7	CLHU 824136 7	1	1	0				70	72
TTNU 223038 2	TTNU 223038 2	TTNU 223038 2	TTNU 823038 2	TTNU 223038 2	1	0	1				73	74
UXXU 246119 1	UXXU 246119 1	UXXU 246119 1	UXXU 246119 1	UXXU 246119 1	1	1	1				75	76
MAEU 671566 8	MAEU 671566 8	MAEU 671566 8	MAEU 671566 8	MAEU 671566 8	1	1	0				78	78
NYKU 658983 3	NYKU 658983 3	NYKU 658983 3	NYGU 658983 3	NYGU 658983 3	0	0	0				78	80
TRIU 381254 6	TRIU 381254 6	TRIU 381254 6	TRIU 381254 6	TRIU 381254 6	1	1	0				79	80
APMU 272876 0	APMU 272876 0	APMU 272876 0	APMU 272876 0	APNU 272876 0	1	1	0				82	83
PONU 742830 0	PONU 742830 0	PONU 742830 0	PONU 742830 0	PONU 742830 0	1	1	0				82	85
MSKU 241760 0	MSKU 241760 0	MSKU 241760 0	MSKU 241760 0	MSKU 241760 0	1	1	1				84	85
PONU 718435 3	PONU 718435 3	PONU 718435 3	PONU 718435 3	PONU 718435 3	1	0	1				87	89
PONU 747890 7	PONU 747890 7	PONU 747890 7	PONU 747890 7	PONU 747890 7	1	0	1				87	89
TRLU 367708 1	TRLU 367708 1	TRLU 367708 1	TRLU 367708 1	TRLU 367708 1	1	1	1				110	111
???? ????? ?	INBU 526198 ?				0	0	0	1	1	1	110	112
TEXU 279755 1	TEXU 279755 1	TEXU 279755 1	TEXU 279755 1	TEXU 279755 0	1	1	0				112	112
TRLU 275515 3	TRLU 275515 3	TRLU 275515 3	TRLU 275515 3	TMLU 755153 ?	1	1	0				115	116
TTNU 400828 7	TTNU 400828 7	TTNU 400828 7	TTNU 400828 7	TTNU 400828 7	1	1	1				115	117
MAEU 681721 1	MAEU 681721 1	MAEU 681721 1	MAEU 681721 1	MAEU 681721 1	1	1	1				116	117
CAXU 292777 3	CAXU 292777 3	CAXU 292777 3	CAXU 292777 3	CAXU 292777 3	1	0	1				120	121
MSKU 242134 4	MSKU 242134 4	MSKU 242134 4	MSKU 242134 4	MSKU 242134 4	1	1	1				121	122
GSTU 284547 1	GSTU 284547 1	KSTU 214547 1	?STU 214547 1	GSTU 284547 ?	0	0	0				124	125
CAXU 293802 1	CAXU 293802 1	CAXU 293802 1	DAXU 293802 1	CAXU 293802 1	1	0	1				125	126
UXXU 245970 1	UXXU 245970 1	UXXU 245970 1	UXXU 245970 1	UXXU 245970 0	1	1	0				128	129
POCU 282553 2	POCU 282553 2	POCU 282553 2	POCU 282553 2	POCU 282553 2	1	0	1				129	130
MAEU 514123 0	MAEU 514123 0	MAEU 514123 0	MAEU 514123 0	MAEU 514123 0	1	1	1				132	134
KN?U 471788 1	KNLU 471788 1	KNLU 471788 1	KNIU 4717-1 1	KNLU 471788 1	1	0	1		1		132	134
MAEU 598249 0	MAEU 598249 0	MAEU 598249 0	MAEU 598249 0	MAEU 598249 0	1	1	1				136	138
PONU 473065 6	PONU 473065 6	PONU 473065 6	PMNU 471065 6	PONU 473065 6	1	0	1				136	138
SEAU 544189 3	SEAU 544189 3	SEAU 544189 3	SEAU 544189 3	SEAU 544189 3	1	1	1				141	143
???? ????? ?	POCU 470874 6	POCU 470874 ?		POCU 470874 8	0	0	0	1			147	143
MWCU 606258 2	MWCU 606258 2	MWCU 606258 2	MWCU 606258 2	VUCU 606258 8	1	1	0				151	153
???? 657295 0	MWCU 657295 0	MWCU 67790? ?		MWCU 677908 8	0	0	0	1			151	153
TRIU 840951 2	TRIU 840951 2	TRIU 840951 2	TRIU 840951 2	TRIU 840951 2	1	1	1				155	158
???? 545320 2	MAEU 545320 2	MAEU 545320 2		MAEU 545320 2	1	0	1		1		155	158
MAEU 555275 6	MAEU 555275 6	MAEU 555275 6	MAEU 555275 6	MAEU 555275 6	1	1	1				160	162
???? 535961 8	MAEU 535961 8	MAIU 359618 ?		MAIU 359618 ?	0	0	0	1			160	162
MAEU 539035 7	MAEU 539035 7	MAEU 539035 7	MAEU 539035 7	MAEU 539035 7	1	1	1				166	168
MAEU 555208 3	MAEU 555208 3				0	0	0				166	168
GATU 101507 2	GATU 101507 2	GATU 101507 2	GATU 101507 2	GATU 101507 2	1	1	1				171	172
MAEU 717029 0	MAEU 717029 0	?A?U 7170?? ?	IAEU 717029 0	MACU 717030 8	0	0	0		1		171	173
MSKU 209183 3	MSKU 209183 3	MSKU 209183 3	MSKU 209183 3	MSKU 209183 3	1	1	1				172	173
ACTU 104250 2	ACTU 104250 2				0	0	0				175	176

AEI/OCR System Integration



Acceptance Tests Form

MOVE 215

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID -		Invalid		# Image	# Image	
2001-09-01	02:16:40	215	00:06:09	319	300	Code ID - C1	Code ID - C2	C1	C2	C1	C2	
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match			Invalid		
TTNU 957514 9					0	0	0			1		175
TTNU 364314 ?					0	0	0			1		176
GATU 047932 0		GATU 047932 0	GATU 047932 0	GATU 047932 0	1	1	0			1	1	179
PONU 716335 0		PONU 716335 0	PONU 716335 0	PONU 716335 0	1	1	0			1		179
EMCU 281791 2					0	0	0			1		180
TRIU 392875 2		??IU 392875 2	??IU 392875 2	??IU 392875 2	0	0	0			1		183
KNLU 261272 6		KNLU 261272 6	KNLU 261272 6	KNLU 261272 6	1	1	0			1		184
SEAU 211490 0	SEAU 211490 0	SEAU 211490 0	SEAU 211490 0	SIAU 211490 7	1	0	1					187
MAEU 622352 3	MAEU 622352 3	MAEU 622352 3	MAEU 622352 3	MAEU 622352 3	1	1	1					187
SEAU 223680 6	SEAU 223680 6	SEAU 223680 6	SEAU 223680 6	SEAU 223680 6	1	0	1					188
SEAU 216124 ?	SEAU 216124 5	SEAU 216124 5	SEAU 216124 1	SEAU 216124 5	1	0	1			1		192
INKU 231209 9	INKU 231209 9	INKU 231209 9	INKU 231209 5	INKU 231209 0	1	0	1					192
MSKU 244401 5	MSKU 244401 5	MSKU 244401 5	MSKU 244401 5	MSKU 244401 5	1	1	1					193
GLDU 012423 4	GLDU 012423 4	GLDU 012423 4	GLDU 012423 4	GLDU 012423 4	1	1	0					197
GATU 405641 3	GATU 405641 3	GATU 405641 3	GATU 405641 3	GATU 405641 3	1	1	1					197
???? ???? 0	CAXU 292261 0				0	0	0			1		198
MAEU 671024 4	MAEU 671024 4	MAEU 671024 4	MAEU 671024 4		1	1	0					202
PONU 722596 1	PONU 722596 1	PONU 722596 1	PONU 722596 1	PONU 722596 1	1	0	1					202
MAEU 681829 1	MAEU 681829 1	MAEU 681829 1	MAEU 681829 1		1	1	0					204
MAEU 609007 7	MAEU 609007 7	MAEU 609007 7	MAEU 609007 7	MAEU 609007 7	1	1	1					207
SEAU 866762 6	SEAU 866762 6	SEAU 866762 6	SEAU 866762 6	SEAU 866762 6	0	0	0					210
INKU 285999 6	INKU 285999 6	INKU 285999 6	INKU 285999 6	INKU 285999 6	1	1	1					214
KNLU 512007 8	KNLU 512007 8	KNLU 512007 8	KNLU 512007 8	KNLU 512007 8	1	1	1					217
MAEU 605254 4	MAEU 605254 4	MAEU 605254 4	MAEU 605254 4	MAEU 605254 4	1	0	1					221
NYKU 233299 7	NYKU 233299 7	NYKU 233299 7	NYKU 233299 7	NYKU 233299 7	1	1	1					225
MAEU 633892 3	MAEU 633892 3	MAEU 633892 3	AAAU 633892 3	MAEU 633892 3	1	0	1					225
MSKU 240619 1	MSKU 240619 1	MSKU 240619 1	MSKU 240619 1	MSKU 240619 1	1	1	1					227
MSKU 216373 8	MSKU 216373 8	MSKU 216373 8	MSKU 216373 8		1	1	0			1		230
POCU 005416 4	POCU 005416 4	POCU 005416 4	POCU 005416 4		1	0	1			1		232
PONU 095321 9	PONU 095321 9	PONU 095321 9	PONU 095321 9		1	1	0			1		235
UXXU 245818 2	UXXU 245818 2				0	0	0			1		236
MAEU 717742 2	MAEU 717742 2	MAEU 717742 2		MAEU 717742 2	1	0	1					240
TRIU 932821 0	TRIU 932821 0	TRIU 932821 0	TRIU 932821 0	TRIU 932821 4	1	0	1					240
PONU 709507 3	MAEU 709507 3	MAEU 709607 3	MAEU 709607 3		0	0	0					251
PONU 131013 5	PONU 131013 5	PONU 131013 5	PONU 131013 5	PONU 131013 5	1	1	1					255
OCLU 702756 3	OCLU 702756 3	OCLU 702756 3	OCCU 702755 3	OCLU 702756 3	1	0	1					259
MAEU 821107 5	MAEU 821107 5	MAEU 821107 5	MAEU 821107 5	IAIU 821107 5	1	0	1					263
TRIU 908209 1	TRIU 908209 1	TRIU 908209 1		TRIU 908209 1	1	0	1					267
GSTU ????? 4	GSTU 823602 4	GSTU 823602 4		GSTU 823602 4	1	0	1			1		272
TRLU 617860 9	TRLU 617860 9	TRLU 617860 9	TRLU 617860 9	TRLU 817880 9	1	1	0					272
HLXU 607918 0	HLXU 607918 0	HLXU 607918 0	HLXU 607918 0		1	1	0					277
???? ????? 3	OCLU 120134 3				0	0	0			1		277
KNLU 500663 5	KNLU 500663 5	KNLU 500663 5	KNLU 500663 5	XNLU 500663 5	1	1	0					281
ML?? 520218 ?	MLCU 520218 4	MLCU 520218 ?		MLCU 520218 ?	0	0	0			1		281
PONU 740120 6	PONU 740120 6				0	0	0					286
PONU 722134 9	PONU 722134 9	PONU 722134 9	PONU 722134 9	PONU 722134 9	1	0	1					286
MSKU 801930 6	MSKU 801930 6	MSKU 801930 6	MSKU 801930 6		1	1	0					291
INKU 290307 0	INKU 290307 0	INKU 290307 0	INKU 290307 0	INKU 290307 0	1	1	1					291
MAEU 839665 7	MAEU 839665 7	MAEU 839665 7	MAEU 839665 7	MAEU 839665 7	1	1	1					296
PONU 724879 8	PONU 724879 8	PONU 724879 8	PONU 724879 8	PONU 154977 3	1	1	0					296
PONU 744857 0	PONU 744857 0	PONU 74???? 9	PONU 740120 6	PONU 744857 0	0	0	1					301
PONU 747214 9	PONU 747214 9	PONU 747214 9	PONU 747214 9		1	1	0					304
TTNU 9801?? ?	TTNU 9801?? ?				0	0	0			1	1	308
PONU 128531 0	PONU 128531 0	PONU 128134 0	PONU 722134 9	PONU 128531 0	0	0	1					308
PONU 151389 4	PONU 151389 4	PONU 151389 4		PONU 151389 4	1	0	1					311
PONU 136835 3	PONU 136835 3	PONU 1????? ?	PONU 151389 4	PONU 136835 3	0	0	1					315
PONU 154977 3	PONU 154977 3				0	0	0					315

Nb. of containers : 121 Match Code ID : 93 Nb. Of Invalid C1 : 15
 Match Code ID C1 : 65 Nb. Of Invalid C2 : 17
 Match Code ID C2 : 66 Nb. Of Invalid : 4

Perfect match code : 36

	C1	C2	PoM
Accuracy :	61.321%	63.462%	79.487%

AEI/OCR System Integration



Acceptance Tests Form MOVE 216

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	# Image C1	# Image C2
2001-09-01	05:32:47	216	00:05:07	247	246						
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	# Image C1	# Image C2
MAEU 451917 8	MAEU 451917 8	MAEU 451917 8	MAEU 451917 8	MAEU 451917 8	1	1	0			15	11
TTNU 970190 4	TTNU 970190 4	TTNU 970190 4	TTNU 970190 4	TTNU 970190 4	1	1	0			20	16
MWCU 611695 0	MWCU 611695 0	UUCU 611695 0	UUCU 611695 0	UUCU 611695 0	0	0	0			24	21
TTNU 950821 7	TTNU 950821 7				0	0	0			29	26
T?XU 57720? 6	T?XU 537203 6				0	0	0	1	1	34	30
KNLU 329348 0	KNLU 329348 0	KNLU 329348 0	KNLU 329348 0	KNLU 329348 0	1	1	0			37	35
CRLU 913571 2	CRLU 913571 2	CRLU 913571 2	CRLU 913571 2	CRLU 913571 2	1	1	1			48	45
OOLU 316693 9	OOLU 316693 9	OOLU 316693 9	OOLU 316693 9	OOLU 316693 9	1	1	0			52	49
OOLU 327474 3	OOLU 327474 3	OOLU 327474 3	OOLU 327474 3	OOLU 327474 3	1	1	0			53	51
HLXU 451360 0	HLXU 451360 0	HLXU 451360 0	HLXU 451360 0	HLXU 451360 0	1	1	1			53	49
HLCU 214302 8	HLCU 214302 8	HLCU 214302 8	HLCU 214302 8	HLCU 214302 8	1	1	0			57	55
HLXU 600898 9	HLXU 600898 9	HLXU 600898 9	HLXU 600898 9	HLXU 600898 9	1	1	0			62	59
HLXU 458379 9	HLXU 458379 9	HLXU 458379 9	HLXU 458379 9	HLXU 458379 9	1	1	0			62	59
HLCU 260495 8	HLCU 260495 8	HLCU 260495 8	HLCU 260495 8	HLCU 260495 8	1	1	1			65	63
HLXU 203696 1	HLXU 203696 1	HLXU 200696 1	HLXU 200696 1	HLXU 200696 1	0	0	0			66	64
HLCU 40500? 0	???? 405?78 0	IHLU 405009 0	IHLU 405009 0	IHLU 405009 0	0	0	0	1	1	66	63
TGHU 725727 7	TGHU 725727 7	TGHU 725727 7	TGHU 725727 7	TGHU 725727 7	1	1	0			84	80
SEAU 858454 2	SEAU 858454 2	SEAU 858454 2	SEAU 858454 2	SEAU 858454 2	1	1	0			88	84
CLHU 214683 0	CLHU 214683 0	CLHU 214683 0	CLHU 214683 0	CLHU 214683 0	1	1	0			91	89
BSLY 103606 9	BSLY 103606 9	I?IU 360619 ?	I+IU 360619 ?	I+IU 360619 ?	0	0	0			93	91
HLXU 609100 0	HLXU 609100 0	HLXU 609100 3	HLXU 609100 3	HLXU 609100 3	0	0	0			108	104
HLXU 613386 7	HLXU 613386 7	HLXU 613386 7	HLXU 613386 7	HLXU 613386 7	1	0	1			108	104
HLXU 452096 0	HLXU 452096 0	MLXU 4561?? ?	MLXU 4561?? ?	MLXU 4561?? ?	0	0	0			112	109
???? ?????? ?	HLXU 607869 3	HLXU 607869 3	HLXU 607869 3	HLXU 607869 3	1	0	1	1		112	109
HLXU 422591 7	HLXU 422591 7	HLXU 422591 7	HLXU 422591 7	HLXU 422591 7	1	1	1			116	113
HLCU 424711 9	HLCU 424711 9	HLCU 424711 9	ILCU 424711 9	HLCU 424711 9	1	0	1			116	113
HLXU 443518 0	HLXU 443518 0	HLXU 443518 0	HLXU 443518 0	HLXU 443518 0	1	1	0			120	117
HLXU 445463 6	HLXU 445463 6	HLXU 445463 6	HLXU 445463 6	HLXU 445463 6	1	1	1			120	117
HLXU 423302 3	HLXU 423302 3	HLXU 423302 3	HLXU 423302 3	HLXU 423302 3	1	1	0			124	120
HLCU 425596 3	HLCU 425596 3	HLCU 425596 3	HLCU 425596 3	HLCU 425596 3	1	0	1			124	120
PONU 737366 0	PONU 737366 0	PONU 737366 0	PONU 737366 0	PONU 737366 0	1	1	0			128	125
PONU 148703 3	PONU 148703 3	PONU ?????? ?	PONU 148703 3	PONU 981703 9	0	1	0			128	125
MSKU 812112 8	MSKU 812112 8	MSKU 812112 8	MSKU 812112 8	MSKU 812112 8	1	1	0			133	129
KNLU 432719 0	KNLU 432719 0	KNLU 412717 0	KN+U 412711 0	KNLU 412719 0	0	0	0			133	129
PONU 730516 2	PONU 730516 2	PONU 730516 2	PONU 730516 2	PONU 730516 2	1	1	0			136	133
OCLU 146306 6	OCLU 146306 6	OCLU 146306 6	OCLU 146306 6	OCLU 146306 6	1	1	0			136	133
POCU 052305 0	POCU 052305 0	POCU 052305 0	POCU 052305 0	POCU 052305 0	1	1	1		1	140	138
UXXU 245677 0	UXXU 245677 0	UXXU 245677 0	UXXU 245677 0	UXXU 245677 0	1	1	0			141	139
GLDU 401442 5	GLDU 401442 5	GLDU 401442 5	GLDU 401442 5	GLDU 401442 5	1	1	1			141	138
CLHU 243424 5	CLHU 243424 5	CLHU 243424 5	CLHU 243424 5	CLHU 243424 5	1	1	1			145	143
MSKU 220827 8	MSKU 220827 8	MSKU 220827 8	MSKU 220827 8	MSKU 220827 8	1	1	0			147	144
OCLU 136673 9	OCLU 136673 9	OCLU 136673 9	OCLU 136673 9	OCLU 136673 9	1	1	1			147	143
CLHU 260610 7	CLHU 260610 7	CLHU 260610 7	CLHU 260610 7	CLHU 260610 7	1	1	1			150	148
POCU 055851 9	POCU 055851 9	POCU 055851 9	POCU 055851 9	POCU 055851 9	1	1	0			151	149
MAEU 640421 8	MAEU 640421 8	MAEU 640421 8	MAEU 640421 8	MAEU 610421 8	1	1	0			151	148
GESU 211599 7	GESU 211599 7	GESU 211599 7	GESU 211599 7	GESU 211599 7	1	1	1			155	153
TRLU 285423 8	TRLU 285423 8	TRLU 285423 8	TRLU 285423 8	TRLU 285423 8	1	1	0			156	154
KNLU 427906 5	KNLU 427906 5	KNLU 4????? ?	KNLU 477111 6	KNLU 42+906 5	0	0	0		1	156	153
PONU 151074 5	PONU 151074 5	PONU 151074 5	PONU 151074 5	PONU 151074 5	1	1	1			161	158
PONU 720540 9	PONU 720540 9	PONU 720540 9	PONU 720540 9	PONU 720540 9	1	1	1			161	158
MSKU 231716 0	MSKU 231716 0	MSKU 231716 0	MSKU 231716 0	MSKU 231716 0	1	1	0			165	163
SCMU 208070 5	SCMU 208070 5	SCMU 208070 5	SCMU 208070 5	SCMU 208070 5	1	1	0			166	164
KNLU 503710 6	KNLU 503710 6	KNLU 503710 6	KNLU 503710 6	KNLU 503710 6	1	0	1			166	163
MAEU 782113 4	MAEU 782113 4	MAEU 782113 4	MAEU 782113 4	MAEU 782113 4	1	1	0			170	168
CAXU 294?52 2	CAXU 294052 2				0	0	0			171	169
TRIU 452718 4	TRIU 452718 4	TRIU 452718 4	@AIU 4527? ? ?	TRIU 452718 4	1	0	1			171	168
MWCU 609867 2	MWCU 609867 2	MWCU 609867 2	VVCU 609867 2	MWCU 609867 2	1	0	1			175	172
MAEU 572434 6	MAEU 572434 6	MAEU 572434 6	MOEU 577431 6	MAEU 572434 6	1	0	1			180	177
MWCU 612960 2	MWCU 612960 2	?MMU 1139?? ?	@MMU 01190? ?	@MMU 612960 2	0	0	0			180	177
CMGU 000862 ?	???? ?????? ?	CCIU 160363 ?	CCIU 160363 ?	CCIU 160363 ?	0	0	0			185	182
MSKU 612461 6	MSKU 612461 6	MSKU 612461 6	MSKU 612461 6	MSKU 612461 6	1	1	1		1	185	182
MAEU 582159 9	MAEU 582159 9	MAEU 582159 9	MAEU 582159 9	MAEU 582159 9	1	1	1			190	187
MSAU 560342 4	MSAU 560342 4	???? ?????? ?	MSAU 560342 4	MSAU 560342 4	0	1	1			190	187
CRLU 518390 2	CRLU 518390 2	CRLU 518390 2	CRLU 518390 2	CRLU 518390 2	1	1	0			195	192

AEI/OCR System Integration



Acceptance Tests Form MOVE 216

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID -		Invalid		# Image	# Image	
2001-09-01	05:32:47	216	00:05:07	247	246	C1	C2	C1	C2	C1	C2	
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
HLXU 233744 0	HLXU 233744 0	HLXU 23??4? 0	HLXU 235040 0	HLXU 233744 0	0	0	1				199	197
HLXU 235040 0	HLXU 235040 0			HLXU 235040 0	0	0	0				200	198
HLXU 605102 8	HLXU 605102 8	HLXU 605102 8	HLXU 605102 8	HLXU 605102 8	1	1	1				200	197
HLXU 204807 3	HLXU 204807 3	HLXU 204807 3	HLXU 204807 3	HLXU 404807 3	1	1	0				204	202
HLCU 214001 3	?LCU 214001 3	HLCU 214001 3	HLCU 214001 3	HLCU 214001 3	1	1	0		1		205	203
HLXU 606748 8	HLXU 606748 8	HLXU 606748 8	HLXU 606748 8	HLXU 606748 8	1	1	1				205	202
HLCU 240162 6	HLCU 240162 6	HLCU 240162 6	HLCU 240162 6	@@CU 240162 6	1	1	0				209	207
HLXU 222728 0	HLXU 222728 0	HLXU 222728 0	HLXU 222728 0	HLXU 222728 0	1	1	0				210	209
HLXU 459859 3	HLXU 459859 3	HLXU 459859 3	HLXU 459859 3	HLXU 459859 3	1	1	1				210	207
HLXU 443989 0	HLXU 443989 0	HLXU 443989 0	HLXU 443989 0	HLXU 443989 0	1	1	0				216	213
HLCU 240871 8	HLCU 240871 8	HLCU 240871 8	HLCU 240871 8	HLCU 240871 8	1	1	0				220	218
HLXU 200164 6	HLXU 200164 6	HLXU 200164 5	HLXU 200164 5	HLXU 200164 5	0	0	0				221	219
TEXU 552735 4	TEXU 552735 4	TEXU 552735 4	TEXU 552735 4	TEXU 552735 4	1	1	1				226	223
SEAU 821585 8	SEAU 821585 8	SEAU 821585 8	SEAU 821585 8	SIAU 821585 8	1	1	0				226	223
POCU 101820 1	POCU 101820 1	POCU 018201 1	POCU 018201 1		0	0	0				231	228
TTNU 523320 9	TTNU 523320 9	I?NU 523320 9	I+NU 523320 9		0	0	0				236	233
TRIU 932289 1	TRIU 932?89 1	TRIU 932789 0	RIMU 322090 %	TRIU 932789 0	0	0	0		1		236	233
BENU 220873 6	BENU 220873 6	RFNU 271873 6	RFNU 271873 6		0	0	0				239	237
SEAU 232014 1	SEAU 232014 1	SEAU 232014 1	SEAU 232014 1		1	1	0				240	239
????? 2	CAXU 240312 2				0	0	0		1		244	242
GSTU 2??2? 2	GSTU 260764 2				0	0	0		1		245	243

Nb. of containers : 85
 Match Code ID : 61
 Match Code ID C1 : 54
 Match Code ID C2 : 28
 Nb. Of Invalid C1 : 7
 Nb. Of Invalid C2 : 8
 Nb. Of Invalid : 3

Perfect match code : 18

	C1	C2	PoM
Accuracy :	69.231%	36.364%	74.390%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 217

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID -		Invalid	Invalid	# Image	# Image	
2001-09-01	06:09:55	217	00:05:06	297	297	Code ID - C1	Code ID - C2	C1	C2	C1	C2	
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match	C1	C2	Invalid	C1	C2
FSCU 346968 6	FSCU 346968 6				0	0	0				8	9
HLXU 429048 5	HLXU 419048 5	HLXU 419043 5	HLXU 419040 5	HLXU 439043 5	0	0	0	1			8	11
OOLU 331224 7	OOLU 331224 7	OOLU 331224 7	OOLU 331224 7	OOLU 331224 7	1	0	1				9	11
HLXU 453540 3	HLXU 453540 3	HLXU 453540 3	HLXU 453540 3	HLXU 453640 3	1	1	0				14	16
OOLU 350746 5	OOLU 350746 5	OOLU 350746 5	OOLU 350746 5	OOLU 350746 5	1	1	0				19	20
HLXU 442381 0	HLXU 442381 0	HLXU 442381 0	HLXU 442381 0	HLXU 442381 0	1	1	1				19	22
OOLU 321969 0	OOLU 321969 0	OOLU 321969 0	OOLU 321969 0	OOLU 321969 0	1	1	1				21	22
HLXU 604694 7	HLXU 604694 7	HLXU 604694 7	HLXU 604694 7	HLXU 604694 7	1	1	1				25	27
???? ?????? ?	HLXU 458602 ?	AOOU 498532 ?	AOOU 498532 %	HLXU 458603 4	0	0	0	1	1	1	25	27
HLXU 461500 0	HLXU 461500 0	HLXU 461500 0	H+CU 461500 0	HLXU 461500 0	1	1	1				30	33
HLXU 613437 5	HLXU 613437 5	HLXU 613437 5	HLXU 613437 5	HLXU 613437 5	1	1	1				30	33
HLXU 418787 0	HLXU 418787 0	HLXU 418787 0	HLXU 418787 0	HLXU 418787 0	1	1	0				36	38
HLXU 420187 5	HLXU 420187 5	HLXU 420187 5	HLXU 420187 5	HLXU 142018 7	1	1	0				36	38
HLXU 223978 9	HLXU 223978 9				0	0	0				41	42
HLXU 432688 8	HLXU 432688 8				0	0	0				41	44
HLXU 261000 4	HLXU 261000 4				0	0	0				43	44
HLXU 436489 3	HLXU 436489 3	HLXU 436489 3	HLXU 436489 3	HLXU 436489 3	1	1	1				47	49
HLXU 432485 9	HLXU 432485 9	HLXU 432485 9	HLXU 432485 9	HLXU 432485 9	1	1	1				47	49
HLXU 402768 1	HLXU 402768 1	HLXU 140276 8	HLXU 402758 1	HLXU 140276 8	0	0	0				52	54
HLXU 460032 4	HLXU 460032 4	HLXU 460032 4	HLXU 460032 4	HLXU 460032 4	1	1	1				52	54
HLXU 431635 0	HLXU 431635 0	HLXU 431635 0	HLXU 431635 0	HLXU 431635 0	1	1	1				57	59
HLXU 605808 5	HLXU 605808 5	HLXU 605808 5	HLXU 605808 5	HLXU 605808 5	1	1	1				57	59
HLXU 613218 2	HLXU 613218 2	HLXU 613218 2	HLXU 613218 2	HLXU 613218 2	1	1	0				60	63
HLXU 416690 1	HLXU 416690 1	HLXU 416690 1	HLXU 416690 1	HLXU 416690 1	1	1	1				60	63
HLXU 441214 2	HLXU 441214 2	HLXU 441214 2	HLXU 441214 2	HLXU 441214 2	1	1	1				64	66
HLXU 607133 8	HLXU 607133 8	HLXU 607133 8	HLXU 607133 8	HLXU 607133 8	1	1	1				64	66
HLXU 605147 6	HLXU 605147 6	HLXU 605147 6	HLXU 605147 6	HLXU 605147 6	1	1	1				68	70
HLXU 606049 9	HLXU 606049 9	HLXU 606049 9	HLXU 606049 9	HLXU 606049 9	1	1	1				68	70
HLXU 453995 0	HLXU 453995 0	HLXU 453995 0	HLXU 453995 0	HLXU 453995 0	1	1	1				71	74
HLXU 602638 6	HLXU 602638 6	HLXU 602638 6	HLXU 602638 6	HLXU 602638 6	1	1	1				71	74
HLXU 416210 9	HLXU 416210 9	HLXU 416210 9	HLXU 416210 9	HLXU 416210 9	1	1	1				76	79
HLXU 428561 2	HLXU 428561 2	HLXU 428561 2	HLXU 428561 2	HLXU 428561 2	1	1	0				76	79
HLXU 444813 0	HLXU 444813 0	HLXU 444813 0	HLXU 444813 0	HLXU 444813 0	1	1	1				81	84
HLXU 460070 4	HLXU 460070 4	HLXU 460070 4	HLXU 460070 4	HLXU 460070 4	1	1	1				81	84
HLXU 458421 2	HLXU 458421 2	JILU 564584 2	JILU 564584 2	HLXU 458421 2	0	0	1				87	89
HLXU 434720 0	HLXU 434720 0	HLXU 434720 0	HLXU 434720 0	HLXU 434720 0	1	1	1				87	89
HLXU 212870 1	HLXU 212870 1	HLXU 212870 1	HLXU 212870 1	HLXU 212870 1	1	0	0				92	93
HLXU 463878 8	HLXU 463878 8	HLXU 463878 8	HLXU 463878 8	HLXU 463878 8	1	1	0				92	94
SNIU 122582 9	SNIU 122582 9	SNIU 122582 9	SNIU 122582 9	SNIU 122582 9	1	1	0				93	94
HLXU 221820 4	HLXU 221820 4	HLXU 221820 4	HLXU 221820 4	HLXU 221820 4	1	1	0				97	98
HLXU 411719 4	HLXU 411719 4	HLXU 411719 4	HLXU 411719 4	HLXU 411719 4	1	1	1				97	100
HLXU 211552 8	HLXU 211552 8	HLXU 212552 8	HLXU 212552 8	HLXU 212552 8	0	0	0				99	100
HLXU 233974 1	HLXU 233974 1	HLXU 233974 1	HLXU 233974 1	HLXU 233974 1	1	1	0				102	103
HLXU 463779 7	HLXU 463779 7	HLXU 463779 7	HLXU 463779 7	HLXU 463779 %	1	1	0				102	105
HLXU 209813 0	HLXU 209813 0	HLXU 209813 0	HLXU 209813 1	HLXU 209813 0	1	0	1				104	105
HLXU 461559 8	HLXU 461559 8	HLXU 461559 8	HLXU 461559 8	HLXU 461559 8	1	1	1				108	110
HLXU 418545 0	HLXU 418545 0	HLXU 418545 0	HLXU 418545 0	HLXU 418545 0	1	1	0				108	110
HLXU 400191 7	HLXU 400191 7	HLXU 400191 7	HLXU 400191 7	MLXU 400191 7	1	1	0				113	115
HLXU 462315 5	HLXU 462315 5	HLXU 462315 5	HLXU 462315 5	HLXU 462315 5	1	1	0				118	120
HLXU 428038 0	HLXU 428038 0	HLXU 428038 0	HLXU 428038 0	HLXU 428038 0	1	1	1				118	120
?LCU 209925 0	HLXU 209925 0	HLXU 209975 0	HLXU 209975 0	HLXU 209975 0	0	0	0				123	124
HLXU 609465 2	HLXU 609465 2	HLXU 609465 2	HLXU 609465 2	MLXU 609465 2	1	1	0				123	126
HLXU 217375 3	HLXU 217375 3	HLXU 217375 3	HLXU 217375 3	HLXU 217375 3	1	1	1				125	126
???? 204237 8	???? 204237 8				0	0	0	1	1	1	128	130
HLXU 449474 7	HLXU 449474 7	HLXU 449474 7	HLXU 449474 7	HLXU 449474 7	1	1	1				128	131
HLXU 2283?? 3	HLXU 278363 3	HLXU 208363 3	HLXU 2183+1 3	HLXU 238363 3	0	0	0				130	131
HLXU 300489 2	HLXU 300489 2	HLXU 300489 2	HLXU 300489 2	HLXU 300489 2	1	1	0				134	135
HLXU 609245 4	HLXU 609245 4	HLXU 609245 4	HLXU 609245 4	HLXU 609245 4	1	1	1				134	136
HLXU 211714 8	HLXU 211714 8	HLXU 211714 8	HLXU 211714 8	HLXU 219014 8	1	1	0				135	136
SEAU 810555 2	SEAU 810555 2	SEAU 810555 2	SEAU 810555 2	SEAU 810555 2	1	1	1				139	141
SEAU 839631 3	SEAU 839631 3	SEAU 839631 3	SIAU 839631 3	SEAU 839631 3	1	0	1				139	141
APMU 802580 5	APMU 802580 5	APMU 802580 5	APMU 802580 5	APMU 802580 5	1	1	1				144	146
TRIU 919247 9	TRIU 919247 9	TBIU 919247 9	TBIU 919247 9	TBIU 919247 9	0	0	0				144	146
TTNU 979063 0	TTNU 979063 0	OONU 979063 0	TLIU 2+241% %	OONU 979063 0	0	0	0				149	151

AEI/OCR System Integration



Acceptance Tests Form

MOVE 217

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID -		Invalid		# Image	# Image	
2001-09-01	06:09:55	217	00:05:06	297	297	Code ID - C1	Code ID - C2	C1	C2	C1	C2	
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
TTNU 400821 9	TTNU 400821 9	TTTU 0082?? ?		TTTU 0082?? %	0	0	0				149	151
MSKU 817219 3	MSKU 817219 3	MSKU 817219 3	MSKU 817219 3	MSKU 817219 3	1	1	1				154	156
GATU 420724 8	GATU 420724 8	GATU 420724 8	GATU 420724 8	GATU 420724 8	1	1	1				154	156
KNLU 326816 9	KNLU 326816 9	KNLU 326816 9	KNLU 326816 9	KNLU 326816 9	1	1	1				158	159
MAEU 716091 8	MAEU 716091 8	MAEU 716091 8	MAEU 716091 8	MAEU 716091 8	1	1	0		1		158	160
INBU 302198 4	INBU 302198 4	INBU 302198 4	INBU 302198 4	INBU 302198 0	1	0	1				160	160
TTNU 970399 6	TTNU 970399 6	TTNU 970399 6		TTNU 970399 6	1	0	1				162	164
TTNU 987941 3	TTNU 987941 3	TTNU 987941 3		TTNU 987941 3	1	0	1				162	164
PONU 727840 5	PONU 727840 5	PONU 727840 5	PONU 727840 5	PONU 727840 5	1	1	0				166	168
KNLU 500144 3	KNLU 500144 3	KNLU 500144 3	KNLU 500144 3	KNLU 500144 1	1	0	0				170	172
SEAU 861193 0	SEAU 861193 0	SIAU 611911 1	SIAU 611911 1	SEAU 861193 0	0	0	1				170	172
PONU 714713 3	PONU 714713 3	PONU 714713 3	PONU 714713 3	PONU 714713 3	1	1	1				174	176
MAEU 621719 8	MAEU 621719 8	MAEU 621719 8	MMGU 621719 8	MAEU 621719 8	1	0	1				174	176
MAEU 453559 0	MAEU 453559 0	MAEU 453559 0	MAEU 453559 0	MAEU 453559 0	1	1	1				178	180
NYKU 608391 1	NYKU 608391 1	NYKU 638591 1	NYKU 638591 1	NYKU 608391 1	0	0	0				178	180
APMU 452906 9	APMU 452906 9	APMU 452906 9	APMU 452906 9	APMU 452906 9	1	1	0				183	185
MSKU 816780 7	MSKU 816780 7	MSKU 816780 7	MSKU 816780 7	MSKU 816780 7	1	1	1				183	185
TRIU 918380 0	TRIU 918380 0	TRIU 91838? ?		TRIU 91838? %	0	0	0				188	190
MAEU 707877 5	MAEU 707877 5	MAEU 707877 5	AAEU 707497 5	MAEU 707877 5	1	0	1				188	190
TRIU 506901 8	TRIU 506901 8	TRIU 506901 8	TRIU 506901 8	TRIU 506901 8	1	1	1				193	195
TRIU 428284 1	TRIU 428284 1	TRIU 428284 1	TRIU 428284 1	TRIU 428284 1	1	1	1				193	195
MAEU 784819 8	MAEU 784819 8	MALU 784819 8	MALU 784819 8	MALU 784819 8	0	0	0				197	198
GBEU 209921 6	GBEU 209921 6	GBEU 209921 6	GBEU 209921 6		1	1	0				198	199
MSKU 216323 4	MSKU 216323 4				0	0	0				199	200
GESU 419505 5	GESU 419505 5	GESU 419505 5		GESU 419505 5	0	0	1				202	204
MAEU 451931 0	MAEU 451931 0	MAEU 45910? ?		MAEU 45910? %	0	0	0				202	204
TTNU 47699? ?	TTNU 47699? ?	??NU 45574? ?	@@NU 45574? %	TTNU 47699? %	0	0	0	1	1	1	205	207
APMU 802038 3	A??P 802038 3	APMU 802038 3	APMU 802038 3	APMU 802038 3	1	1	0				205	207
TEXU 738468 ?	TEXU 738468 ?	TEXU 7384?? ?	TEXU 7384?? %	TEXU 7384?? %	0	0	0	1	1	1	209	211
GLDU 058777 4	GLDU ?58777 4	GLDU 058777 4	GLDU 058777 4	GLDU 658777 4	1	1	0				209	211
MAEU 725154 0	MAEU 725154 0	MAEU 725?54 0		MAEU 725?54 0	0	0	0				212	214
TTNU 992806 1	TTNU 992806 1	?INU 992806 1		@INU 992806 1	0	0	0				212	214
TEXU 562309 1	TEXU 562309 1	?GGU 3091?? ?	*GGU 3091?? %		0	0	0				215	218
GLDU 406527 4	GLDU 406527 4	???? ???? ?	BLDU 085274 %	BLOU 406527 4	0	0	0				215	218
TEXU 469173 8	TEXU 469?73 8	TEXU 469173 8	TEXU 469173 8	TEXU 469?73 8	0	0	0		1		220	222
MAEU 703025 7	MAEU 70302? 7	MAEU 703025 7	MAEU 703025 7	MALU 70305? %	1	1	0			1	220	222
MSKU 811426 3	MSKU 811426 3	MSKU 811426 3	MSKU 811426 3	MSKU 811426 3	1	1	1				225	228
SEAU 840961 6	??AU 840961 6	?IAU 840961 6	SIAU 840961 6	@IAU 840961 6	0	0	0			1	225	228
SEAU 468289 6	SEAU 468289 6	SEAU 468289 6	SEAU 468289 6	SEAU 468289 6	1	1	1				230	232
CRXU 973535 5	CRXU 973535 5	?RU 045355 ?	@RU 045355 %	CRXU 973535 5	0	0	1				230	232
CLHU 262638 2	CLHU 262638 2	CLHU 262638 2	CLHU 262638 2	CLHU 262638 2	1	1	1				235	236
MAEU 777675 5	MAEU 777675 5	MAEU 777675 5	MALU 777675 5	MAIU 7776?? %	1	0	0				236	237
SEAU 855546 2	SEAU 855546 2	SEAU 855546 2	SIAU 855546 2	SEAU 855546 2	1	0	1				239	241
SEAU 785639 5	SEAU 785639 5	SEAU 785639 5	SEAU 785639 5	SEAU 785639 5	1	1	1				243	245
MAEU 804737 8	MAEU 804737 8	MAEU 804737 8	MAEU 804737 8	JAEU 804737 8	1	1	0				247	249
MAEU 784974 3	MAEU 784974 3	MAEU 784974 3	MAEU 784974 3	MAEU 784974 3	1	1	1				251	252
SEAU 217620 3	SEAU 217620 3	SEAU 217620 3	SEAU 217620 3		1	1	1				252	253
SEAU 815928 7	SEAU 815928 7				0	0	0				254	257
MSKU 232255 2	MSKU 232255 2	?IKU 122552 ?		@IKU 122552 %	0	0	0				257	258
MSKU 224439 9	MSKU 224439 9				0	0	0				258	259
GLDU 341722 7	GLDU 341722 7	GLDU 041722 7	GLDU 341722 7	GLDU 041722 7	0	1	0				261	263
TTNU 983090 1	TTNU 983090 1	TTNU 983090 1	TTNU 983090 1	TTNU 983090 1	1	0	1				261	263
SEAU 864075 4	SEAU 864075 4	SEAU 864075 4	SEAU 864075 4	SEAU 864075 4	1	1	1				265	267
MAEU 739128 6	MAEU 739128 6	MAEU 739128 6	MAEU 739128 6	MAEU 739178 6	1	1	0				265	267
PONU 129461 0	PONU 129461 0	PONU 129461 0	PONU 129461 0	PONU 129461 0	1	1	1				269	271
GLDU 058638 2	GLDU 058638 2	GLDU 058638 2	GLDU 058638 2	GLDU 058638 2	1	1	1				269	271
MAEU 106450 0	MAEU 106450 0	MAEU 106450 0	MAEU 106450 0	MAEU 064500 1	1	1	0				273	275
MSKU 805067 8	MSKU 805067 8	MSKU 805067 8	MSKU 805067 8	MSKU 805067 8	1	1	1				273	275
MAEU 621582 6	MAEU 621582 6	MAEU 621582 6	MACU 621582 6	MAEU 621582 6	1	0	1				277	280
MAEU 727437 7	MAEU 727437 7	??FU 727437 ?	MAEU 727437 %	LJLU 727437 %	0	0	0				277	280
MAEU 726640 6	MAEU 726640 6	MAEU 726543 6	MAEU 726543 6	KAEU 776540 6	0	0	0				282	284
INKU 288871 5	INKU 288871 5	INKU 288871 5	MAEU 726049 6	INKU 288871 5	1	0	1				281	284



Acceptance Tests Form

MOVE 217

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2										
2001-09-01	06:09:55	217	00:05:06	297	297										
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2			
SEAU 480675 0	SEAU 480675 0	SEAU 480675 0	SEAU 480675 0	SEAU 480675 0	1	1	1				287	289			
MAEU 730349 6	MAEU 730349 6	MAEU 730349 6	IAEU 730349 6	MAEU 730349 6	1	0	1				287	289			
MSKU 820642 0	MSKU 820642 0	MSKU 820642 0	MSKU 820642 0	MSKU 820642 0	1	1	1				292	294			
SEAU 463272 4	SEAU 463272 4	SEAU 463272 4	SIAU 463272 4	SEAU 4632+2 4	1	0	0				292	294			
		Nb. of containers :	130	Match Code ID : 94				Nb. Of Invalid C1 :		7					
		Perfect match code :	46	Match Code ID C1 : 75				Nb. Of Invalid C2 :		10					
				Match Code ID C2 : 65				Nb. Of Invalid :		4					
					C1	C2	PoM								
					Accuracy :	60.976%	54.167%	74.603%							

AEI/OCR System Integration



Acceptance Tests Form

MOVE 219

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2													
2001-09-02	01:56:02	219	00:05:38	282	282	Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
TRLU 299792 2	TRLU 299792 2	TRLU 299792 2	TRLU 299792 2	TRLU 299792 2	TRLU 299792 2	1	1				1	1	1				8	9
PONU 747893 3	PONU 747893 3	PONU 747893 3	PONU 747893 3	PONU 747893 3	PONU 747893 3	1	1				1	1	1				8	10
TRIU 365777 4	TRIU 365777 4	TRIU 365777 4	TRIU 365777 4	TRIU 365777 4	TRIU 365777 4	1	1				1	1	1				9	10
TRLU 368131 1	TRLU 368131 1	TRLU 368131 1	TRLU 368131 1	TRLU 368131 1	TRLU 368131 1	1	1				1	1	1				13	14
GATU 809407 3	GATU 809407 3	GATU 809407 3	GATU 809407 3	GATU 809407 3	GATU 809407 3	1	0				1	0	1				13	15
CLHU 251771 4	CLHU 251771 4	CLHU 251771 4	CLHU 251771 4	CLHU 251771 4	CLHU 251771 4	1	1				1	1	1				14	15
CLHU 204429 4	CLHU 204429 4	CLHU 204429 4	CLHU 204429 4	CLHU 204429 4	CLFU 204429 4	1	1				1	0	0				18	19
SNIU 124849 1	SNIU 124849 1	SNIU 124849 1	SNIU 124849 1	SNIU 124849 1	SNIU 124849 1	1	1				1	1	1				19	20
POCU 042419 2	POCU 042419 2	POCU 042419 2	POCU 042419 2	POCU 042419 2	POCU 042419 2	1	1				1	1	0				22	23
OCLU 144323 9	OCLU 144323 9	OCLU 144323 9	OCLU 144323 9	OCLU 144323 9	OCLU 144323 9	1	1				1	1	0				22	25
SEAU 233747 9	SEAU 233747 9	SEAU 233747 9	SEAU 233747 9	SEAU 233747 9	SEAU 233747 9	1	0				1	0	1				24	25
SCMU 203110 4	SCMU 203110 4	SCMU 203110 4	SCMU 203110 4	SCMU 203110 4	SCMU 203110 4	0	0				0	0	0				27	28
OCLU 152673 4	OCLU 152673 4	OCLU 152673 4	OCLU 152673 4	OCLU 152673 4	OCLU 152673 4	0	0				0	0	0				27	29
SAMU 216055 4	SAMU 216055 4	SAMU 216055 4	SAMU 216055 4	SAMU 216055 4	SAMU 216055 4	0	0				0	0	0				29	29
GSTU 281096 3	GSTU 281096 3	GSTU 281096 3	GSTU 281096 3	GSTU 281096 3	GSTU 281096 3	0	0				0	0	0				33	34
OCLU 144367 1	OCLU 144367 1	OCLU 144367 1	OCLU 144367 1	OCLU 144367 1	OCLU 144367 1	1	1				1	1	1				33	35
SEAU 217219 4	SEAU 217219 4	SEAU 217219 4	SEAU 217219 4	SEAU 217219 4	SEAU 217219 4	1	0				1	0	1				34	35
TRIU 512266 3	TRIU 512266 3	TRIU 512266 3	TRIU 512266 3	TRIU 512266 3	TRIU 512266 3	1	1				1	1	1				37	40
PONU 127475 8	PONU 127475 8	PONU 127475 8	PONU 127475 8	PONU 127475 8	PONU 127475 8	1	1				1	1	0				37	40
SEAU 802355 7	SEAU 802355 7	SEAU 802355 7	SEAU 802355 7	SEAU 802355 7	SIAU 8=2155 7	1	0				1	0	1				42	44
MSKU 619361 7	MSKU 619361 7	MSKU 619361 7	MSKU 619361 7	MSKU 619361 7	MSKU 619361 7	1	0				1	0	1				42	44
???? 855228 0	GSTU 855228 0	GSTU 855228 0	GSTU 855228 0	GSTU 855228 0	GSTU 855228 0	0	0				0	0	0				47	49
PONU 142280 8	PONU 142280 8	PONU 142280 8	PONU 142280 8	PONU 142280 8	PONU 142280 8	1	1				1	1	1				47	49
SEAU 218996 2	SEAU 218996 2	SEAU 218996 2	SEAU 218996 2	SEAU 218996 2	SEAU 218996 2	1	1				1	1	0				52	53
PONU 742452 0	PONU 742452 0	PONU 742452 0	PONU 742452 0	PONU 742452 0	PONU 742452 0	1	1				1	1	0				52	54
???? 223174 3	?A?U 223174 3	?A?U 223174 3	?A?U 223174 3	?A?U 223174 3	?A?U 223174 3	0	0				0	0	0				53	54
CLHU 257224 4	CLHU 257224 4	CLHU 257224 4	CLHU 257224 4	CLHU 257224 4	CLHU 257224 4	1	1				1	1	1				57	58
OC?U 418887 7	OCLU 418887 7	OCLU 418887 7	OCLU 418887 7	OCLU 418887 7	OCLU 418887 7	0	0				0	0	0				58	59
PONU 019015 5	PONU 019015 5	PONU 019015 5	PONU 019015 5	PONU 019015 5	PONU 019015 5	1	0				1	0	0				60	61
MSKU 229213 9	MSKU 229213 9	MSKU 229213 9	MSKU 229213 9	MSKU 229213 9	MSKU 229213 9	1	1				1	1	1				61	63
PONU 068487 1	PONU 068487 1	PONU 068487 1	PONU 068487 1	PONU 068487 1	PONU 068487 1	1	1				1	1	1				64	65
???? 602781 0	CAXU 602781 0	CAXU 602781 0	CAXU 602781 0	CAXU 602781 0	CAXU 602781 0	0	0				0	0	0				65	66
POCU 065521 0	POCU 065521 0	POCU 065521 0	POCU 065521 0	POCU 065521 0	POCU 065521 0	1	1				1	1	1				67	68
MAEU 795417 9	MAEU 795417 9	MAEU 795417 9	MAEU 795417 9	MAEU 795417 9	MAEU 795417 9	1	1				1	1	0				68	69
PONU 081619 7	PONU 081619 7	PONU 081619 7	PONU 081619 7	PONU 081619 7	PONU 081619 7	1	1				1	1	1				70	71
SEAU 230003 7	SEAU 230003 7	SEAU 230003 7	SEAU 230003 7	SEAU 230003 7	SEAU 230003 7	1	1				1	1	1				72	73
SAMU 215622 0	SAMU 215622 0	SAMU 215622 0	SAMU 215622 0	SAMU 215622 0	SAMU 215622 0	1	1				1	1	1				74	75
GATU 102972 8	GATU 102972 8	GATU 102972 8	GATU 102972 8	GATU 102972 8	GATU 102972 8	1	1				1	1	1				76	77
SEAU 815035 6	SEAU 815035 6	SEAU 815035 6	SEAU 815035 6	SEAU 815035 6	REAU 815035 6	1	1				1	1	0				78	80
POCU 114627 0	POCU 114627 0	POCU 114627 0	POCU 114627 0	POCU 114627 0	POCU 114627 0	1	1				1	1	1				82	84
HDLU 400276 1	HDLU 400276 1	HDLU 400276 1	HDLU 400276 1	MOLU 400276 1	MOLU 400276 1	0	0				0	0	0				85	87
GATU 104069 2	GATU 104069 2	GATU 104069 2	GATU 104069 2	GATU 104069 2	GATU 104069 2	1	1				1	1	1				89	90
GSTU 450477 2	GSTU 450477 2	GSTU 450477 2	GSTU 450477 2	GSTU 450477 2	GSTU 450477 2	1	1				1	1	1				90	91
SEAU 227705 0	SEAU 227705 0	SEAU 227705 0	SEAU 227705 0	SEAU 227705 0	SEAU 227705 0	1	1				1	1	1				93	94
MAEU 684797 8	MAEU 684797 8	MAEU 684797 8	MAEU 684797 8	MAEU 684797 8	MAEU 684797 8	1	1				1	1	0				94	95
TRLU 406696 0	TRLU 406696 0	TRLU 406696 0	TRLU 406696 0	TRLU 406696 0	TRLU 406696 0	1	1				1	1	1				96	99
CMBU 231404 4	CIBU 314044 1	CIBU 314044 1	?IBU 314044 1	FMBU 231404 4	POCU 024321 0	0	0				0	0	0				100	101
POCU 024321 3	POCU 024321 3	POCU 024321 3	POCU 024321 3	POCU 024321 3	POCU 024321 3	1	1				1	1	0				101	102
TEXU 423940 9	TEXU 423940 9	TEXU 423940 9	TEXU 423940 9	TEXU 423940 9	TEXU 423940 9	1	1				1	1	1				103	105
TTNU 480712 8	TTNU 480712 8	TTNU 480712 8	TTNU 480712 8	TTNU 480712 8	TTNU 480712 8	0	0				0	0	0				107	109
MAEU 452195 6	MAEU 452195 6	MAEU 452195 6	MAEU 452195 6	MAEU 452195 6	MAEU 452195 6	1	1				1	1	1				111	114
MAEU 838298 8	MAEU 838298 8	MAEU 838298 8	MAEU 838298 8	MAEU 838298 8	MAEU 838298 8	1	0				1	0	1				111	114
GSTU 985890 6	GSTU 985890 6	GSTU 985890 6	GSTU 985890 6	GSTU 985890 6	GSTU 985890 6	1	0				1	0	1				116	118
SEAU 836645 3	SEAU 836645 3	SIAU 836645 0	SLAU 816645 *	SEAU 836645 0	SEAU 836645 0	0	0				0	0	0				116	118
MSKU 812024 5	MSKU 812024 5	MSKU 812024 5	MSKU 812024 5	MSKU 812024 5	MSKU 812024 5	1	1				1	1	1				121	123
MAEU 801502 5	MAEU 801502 5	MAEU 801502 5	MAEU 801502 5	MORU 801502 9	MORU 801502 9	1	1				1	1	0				121	123
KNLU 504580 0	KNLU 504580 0	KNLU 504580 0	KNLU 504580 0	KNLU 504580 0	KNLU 504580 0	1	1				1	1	1				126	128
SEAU 847712 2	SEAU 847712 2	SLAU 847712 ?	SLAU 847712 ?	SLAU 847712 ?	SLAU 847712 ?	0	0				0	0	0				126	128
MAEU 818134 5	MAEU 818134 5	MAEU 818134 5	MAEU 818134 5	MAEU 818134 5	MAEU 818134 5	1	0				1	0	1				130	133
SEAU 462151 9	SEAU 462151 9	SEAU 462151 9	SEAU 462151 9	SEAU 462151 9	SEAU 462151 9	1	1				1	1	1				134	136
TRLU 538211 4	TRLU 538211 4	TRLU 538211 4	TRLU 538211 4	TRLU 538211 4	TRLU 538211 4	1	1				1	1	1				138	140
CLHU 812936 2	CLHU 812936 2	CLHU 812936 2	CLHU 812936 2	CLHU 812936 2	CLHU 812936 2	1	1				1	1	1				141	144
K??? 500743 6	KNLU 500743 6	KNLU 500743 6	?NLU 500743 6	KNLU 500743 6	KNLU 500743 6	1	0				1	0	1				145	147
MSKU 803113 2	MSKU 803113 2	MSKU 803113 2	MSKU 803113 2	MSKU 803113 2	MSKU 803113 2	1	1				1	1	1				149	151

AEI/OCR System Integration



Acceptance Tests Form

MOVE 219

DATE		MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2						# Image	# Image
2001-09-02		01:56:02	219	00:05:38	282	282	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	C1	C2
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match								
SEAU 855747 4	SEAU 855647 4	SEAU 855647 4	SEAU 855647 4	SEAU 855647 4	SEAU 855646 3	1	0	0	1			152	155
CLHU 801283 8	CLHU 801283 8	CLHU 801283 8	CLHU 801283 8	CLHU 801283 8	CLHU 801283 8	1	1	1				156	158
INKU 231094 3	INKU 231094 3	INKU 231094 3	INKU 231094 3	INKU 231094 3	INKU 231094 3	1	0	1				159	162
TTNU 992417 2	TTNU 992417 2	TTNU 992417 2	TTNU 992417 2	TTNU 992417 2	TTNU 992417 2	0	0	0	1	1	1	163	165
SEAU 856983 0	SEAU 856983 0	SEAU 856983 0	SEAU 856983 0	SEAU 856983 1	SEAU 856983 0	1	0	1				168	170
TTNU 497507 6	TTNU 497507 6	TTNU 497507 6	TTNU 497507 6	TTNU 497507 6	TTNU 497507 6	0	0	0				168	170
KNLU 501317 2	KNLU 501317 2	KNLU 501317 2	KNLU 501317 2	KNLU 501317 2	KIIU 501316 2	1	1	0				172	174
CRXU 429939 3	CRXU 429939 3	CRXU 429939 3	CRXU 429939 3	CRXU 429939 3	CRXU 429939 3	1	1	0				172	174
APMU 450740 8	APMU 450740 8	APMU 450740 8	APMU 450740 8	APMU 450740 8	APMU 450740 8	1	1	1				176	178
GS?U 725047 0	GS?U 725047 0	GS?U 725047 0	GS?U 725047 0	GS?U 725047 0	GS?U 725047 0	0	0	1	1	1		176	178
APMU 452138 7	APMU 452138 7	APMU 452138 7	APMU 452138 7	APMU 452138 7	APMU 452138 7	1	1	1				182	184
MSKU 803418 9	MSKU 803418 9	MSKU 803418 9	MSKU 803418 9	MSKU 803418 9	MSKU 803418 9	1	1	1				182	184
PONU 302358 2	PONU 302358 2	PONU 302358 2	PONU 302358 2	PONU 302358 2	PONU 302358 2	1	1	1				186	188
POCU 112256 1	POCU 112256 1	POCU 112256 1	POCU 112256 1	POCU 112256 1	POCU 122581 0	0	0	0				186	188
POCU 225611 1	POCU 225611 1	POCU 225611 1	POCU 225611 1	POCU 225611 1	POCU 225611 1	0	0	0				190	192
OCLU 116167 6	OCLU 116167 6	OCLU 116167 6	OCLU 116167 6	OCLU 116167 6	OCLU 116167 6	0	0	0	1			190	192
C?BU 109734 2	C?BU 109734 2	C?BU 109734 2	C?BU 109734 2	C?BU 109734 2	C+BU 109734 2	0	0	0	1			190	192
TPHU 478269 1	TPHU 478269 1	TPHU 478269 1	TPHU 478269 1	TPHU 478269 1	TPHU 478269 1	1	1	1				195	198
PONU 729852 5	PONU 729852 5	PONU 729852 5	PONU 729852 5	PONU 729852 5	PONU 729852 5	1	1	1				195	198
TEXU 410885 1	TEXU 410885 1	TEXU 410885 1	TEXU 410885 1	TEXU 410885 1	TEXU 410885 1	0	1	0				200	202
MSKU 605542 8	MSKU 605542 8	MSKU 605542 8	MSKU 605542 8	MSKU 605542 8	MSKU 605542 8	1	1	1				200	202
CLHU 820905 1	CLHU 820905 1	CLHU 820905 1	CLHU 820905 1	CLHU 820905 1	CLHU 820905 1	1	0	1				205	207
OCLU 135981 1	OCLU 135981 1	OCLU 135981 1	OCLU 135981 1	OCLU 135981 1	OCLU 135981 1	0	1	0				205	207
TGHU 727242 0	TGHU 727242 0	TGHU 727242 0	TGHU 727242 0	TGHU 727242 0	TGHU 727242 0	1	1	1				210	212
TRIU 590375 3	TR?U 590375 3	???U 59??75 3	LIU 590775 3	?TRU 599375 5	?TRU 599375 5	0	0	0		1		210	212
GLDU 403789 0	GLDU 403789 0	GLDU 403789 0	GLDU 403789 0	GLDU 403789 0	GLDU 403789 0	1	0	0				214	216
TRLU 452276 2	TRLU 452276 2	TRLU 452276 2	TRLU 452276 2	TRLU 452276 2	TRLU 452276 2	0	0	0	1			218	220
TRLU 452276 2	TRLU 452276 2	TRLU 452276 2	TRLU 452276 2	TRLU 452276 2	TRLU 452276 2	0	0	0				218	220
PONU 130604 8	PONU 130604 8	?XRU 492765 2	OOON 130604 8	?XRU 492765 2	?XRU 492765 2	0	0	0				222	224
POCU 104724 1	POCU 104724 1	POCU 104724 1	POCU 104724 1	POCU 104724 1	POCU 104724 1	1	1	1				222	224
SEAU 861230 4	SEAU 861230 4	SEAU 861230 4	SEAU 861230 4	SEAU 861230 4	SEAU 861230 4	1	0	1				226	228
PONU 153615 9	PONU 153615 9	PONU 153615 9	PONU 153615 9	PONU 153615 9	PONU 153615 9	1	1	1				226	228
TRIU 940660 5	TRIU 940660 5	TRIU 940660 5	TRIU 940660 5	TRIU 940660 5	TRIU 940660 5	1	1	1				231	233
TTNU 501462 2	TTNU 501462 2	TTNU 501462 2	TTNU 501462 2	TTNU 501462 2	TINU 501462 2	1	0	0				231	233
TPHU 507185 1	TPHU 507185 1	TPHU 507185 1	TPHU 507185 1	TPHU 507185 1	TPHU 507185 1	1	0	1				235	237
PONU 746499 2	PONU 746499 2	PONU 746499 2	PONU 746499 2	PONU 746499 2	PONU 746499 2	1	0	1				235	237
TEXU 738808 2	TEXU 738808 2	???U 7388?8 2	???U 738818 2	TEXU 738808 2	TEXU 738808 2	0	0	0	1	1	1	239	241
INBU 515923 1	INBU 515923 1	INBU 515923 1	INBU 515923 1	INBU 515923 1	INBU 515923 1	1	1	1				239	241
TRLU 539259 7	TRLU 539259 7	TRLU 539259 7	TRLU 539259 7	TRLU 539259 7	TRLU 539259 7	1	1	1				243	245
SEAU 806665 1	SEAU 806665 1	SEAU 806665 1	SEAU 806665 1	SEAU 806665 1	SEAU 806665 1	1	0	1				243	245
SEAU 821228 9	SEAU 821228 9	SEAU 821228 9	SEAU 821228 9	SEAU 821228 9	SEAU 821228 9	1	0	1				247	249
MAEU 601334 2	MAEU 601334 2	MAEU 601334 2	MAEU 601334 2	MAEU 601334 2	MAEU 601334 2	1	1	1				247	249
SEAU 870348 8	SEAU 870348 8	SEAU 870348 8	SEAU 870348 8	SEAU 870348 8	SEAU 870348 8	1	1	0				252	254
TEXU 738703 5	TEXU 738703 5	TEXU 738703 5	TEXU 738703 5	TEXU 738703 5	TEXU 738703 5	1	0	1				252	254
SEAU 823565 9	SEAU 823565 9	SEAU 823565 9	SEAU 823565 9	SEAU 823565 9	SEAU 823565 9	1	0	1				257	259
TEXU 441123 0	TEXU 441123 0	TEXU 441123 0	TEXU 441123 0	TEXU 441123 0	TEXU 441123 0	1	0	1				257	259
KNLU 433974 0	KNLU 433974 0	KNLU 433974 0	KNLU 433974 0	KNLU 433974 0	KNLU 433974 0	1	0	1				262	264
OCLU 146560 2	OCLU 146560 2	OCLU 146560 2	OCLU 146560 2	OCLU 146560 2	OCLU 146560 2	1	1	1				262	264
APMU 451679 7	APMU 451679 7	APMU 451679 7	APMU 451679 7	APMU 451679 7	APMU 451679 7	1	0	1				267	269
PONU 151160 7	PONU 151160 7	PONU 151160 7	PONU 151160 7	PONU 151160 7	PONU 151160 7	1	1	1				267	269
SEAU 864907 3	SEAU 864907 3	SEAU 864907 3	SEAU 864907 3	SEAU 864907 3	SEAU 864907 3	1	1	1				272	274
KNLU 430433 7	KNLU 430433 7	KNLU 411433 7	KN+U 411433 7	KNLU 111433 3	KNLU 111433 3	0	0	0				272	274
MAEU 625169 6	MAEU 625169 6	MAEU 625169 6	MAEU 625169 6	MAEU 625169 6	MAEU 625169 6	1	1	1				277	279
MAEU 602097 4	MAEU 602097 4	MAEU 602097 4	MAEU 602097 4	MAEU 602097 4	MAEU 602097 4	1	0	1				277	279

Nb. of containers : 117
 Match Code ID : 91
 Match Code ID C1 : 64
 Match Code ID C2 : 74
 Nb. Of Invalid C1 : 18
 Nb. Of Invalid C2 : 6
 Nb. Of Invalid : 5

Perfect match code : 48

	C1	C2	PoM
Accuracy :	64.646%	66.667%	81.250%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 220													
DATE	Move time	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2								
2001-09-02	04:07:49	220	00:03:26	109	109	Code ID - C1	Code ID - C2	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2	
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match						
OOLU 800711 7	OOLU 800711 7	OOLU 800711 7		OOLU 800711 7	1	0		1				14	11
HLCU 413008 0	HLCU 413008 0	HUCU 413608 0		HUCU 413608 0	0	0		0				29	27
HLXU 411137 0	HLXU 411137 0	HLXU 411137 0	HLXU 411137 0	HLXU 411137 0	1	1		1				29	27
HLCU 212768 6	HLCU 212768 6	HLCU 212768 6		HLCU 212768 6	1	0		1				33	32
HLCU 202249 5	HLCU 202249 5	HLCU 202249 5		HLCU 202249 5	0	0		0				34	33
HLXU 454673 2	HLXU 454673 2	HLXU 454673 2		HLXU 454673 2	1	0		1				34	32
HLXU 600175 2	HLXU 600175 2	HLXU 600175 2		HLXU 600175 2	1	0		1				39	36
HLCU 459239 4	HLCU 499239 4	HLCU 499239 4		HLCU 499239 4	0	0		0		1		39	36
HLXU 456962 0	HLXU 456962 0	HLXU 456962 0		HLXU 456962 0	1	0		1				44	41
HLXU 605223 5	HLXU 605223 5	HLXU 605223 5		HLXU 605223 5	1	0		1				49	46
???? 052889 9	JSSU 052889 9	JSSU 052889 9		JSSU 052889 9	1	0		1		1		52	51
PONU 097628 2	PONU 097628 2	PONU 097628 2		PONU 097628 2	0	0		0				53	52
POCU 104977 4	POCU 104977 4	POCU 104977 4		POCU 104977 4	1	0		0		1		57	54
TRLU 498888 0	TRLU 498888 0	TRLU 498888 0		TRLU 498888 0	1	0		1				61	58
PONU 133517 5	PONU 133517 5	PONU 133517 5	PONU 133517 5	PONU 133517 5	1	1		1				64	61
TRLU 296966 ?	TRLU 296966 4	TRLU 296966 4		TRLU 296966 4	0	0		0		1		66	65
GLDU 212885 6	GLDU 212885 6	GLDU 212885 6	GLOU 212885 6	GLDU 212885 6	1	0		1				68	67
HLXU 222630 2	HLXU 222630 2	HLXU 222630 2		HLXU 222630 2	1	0		1				75	74
HLXU 222735 6	HLXU 222735 6	HLXU 222735 6		HLXU 222735 6	0	0		0				77	76
HLXU 227040 8	HLXU 227040 8	HLXU 227040 8		HLXU 227040 8	1	0		1				80	79
HLCU 215915 3	HLCU 215915 3	HLCU 215915 3		HLCU 215915 3	0	0		0				82	80
MSKU 208362 7	MSKU 208362 7	MSKU 208362 7		MSKU 208362 7	1	0		1				85	84
MSKU 215599 0	MSKU 215599 0	MSKU 215599 0		MSKU 215599 0	1	0		1				87	85
???? ????? ?	GSTU 468565 0	GSTU 468565 ?		GSTU 468565 ?	0	0		0		1		89	88
GLDU 037074 7	GLDU 037074 7	GLDU 037074 7		GLOU 037074 7	1	0		0				91	89
???? 4455?? 9	GSTU 445588 9	GSTU 445588 9		GSTU 445588 9	0	0		0		1		93	92
POCU 002123 7	POCU 002123 7	POCU 002123 7		POCU 002123 7	0	0		0				94	93
TRIU 907171 6	TRIU 907111 6	TRIU 907111 6	TRIU 907111 6	TRIU 907111 6	1	0		0		1		94	92
POCU 048995 3	POCU 048995 3	POCU 048995 3		POCU 048995 3	1	0		1				97	96
APMU 27638? 4	APMU 276386 4	APMU 776380 4	APMU 776380 4	APMU 776380 4	0	0		0		1		98	97
INBU 332778 ?	INBU 332778 ?	INBU 332778 ?		INBU 332778 4	0	0		0		1	1	101	99
GESU 216170 8	GESU 216170 8	GESU 216171 8		GESU 216171 8	0	0		0				102	101
SCMU 208404 3	SCMU 208404 3	SCMU 208404 3		SCMU 208404 3	1	0		1				106	104
?S?? 21??35 ?	GSTU 215435 6	GSTU 215435 6		GSTU 215435 6	0	0		0		1		107	106
TEXU 716287 2	TEXU 716287 2	TEXU 716287 2	TEXU 716287 2	TEXU 716287 2	1	1		1				107	104

Nb. of containers : 35 Match Code ID : 21 Nb. Of Invalid C1 : 8
 Match Code ID C1 : 3 Nb. Of Invalid C2 : 3
 Match Code ID C2 : 18 Nb. Of Invalid : 1

Perfect match code : 3

	C1	C2	PoM
Accuracy :	11.111%	56.250%	61.765%

AEI/OCR System Integration



Acceptance Tests Form MOVE 221

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID - C1		Code ID - C2		Invalid	Invalid	# Image	# Image
2001-09-02	04:42:38	221	00:06:04	294	303	Match	Match	Match	C1	C2	Invalid	C1	C2
HLXU 204576 8	HLXU 204576 8	HLXU 204576 8	HLXU 204576 8	HLXU 204576 8	HLXU 204576 8	1	1	1				8	9
CNGU 000875 ?	???? ????? ?	IIIU 000875 ?	IIIU 000875 %	CKNU 43361? ?	CKNU 43361? ?	0	0	0	1	1	1	13	15
HLXU 416080 0	HLXU 416080 0	HLXU 416080 0	HLXU 416080 0	HLXU 416080 0	HLXU 416080 0	1	1	1				18	20
HLXU 608758 7	HLXU 608758 7	HLXU 608758 7	HLXU 608758 7	HLXU 608758 7	HLXU 608758 7	1	1	1				18	20
HLXU 416687 7	HLXU 416687 7	HLXU 416687 7	HLXU 416687 7	HLXU 416687 7	HLXU 416687 7	1	1	1				23	25
HLXU 457778 0	HLXU 457778 0	HLXU 457778 0	HLXU 457778 0	HLXU 457778 0	HLXU 457778 0	1	1	0				27	29
HLCU 412933 ?	HLCU 412933 ?	HLCU 412933 2	HLCU 412933 2	HLCU 412933 2	HLCU 412933 2	0	0	0	1	1	1	32	34
HLXU 455295 ?	HLXU 455295 ?	HLXU 455295 1	HLXU 455295 1	HLXU 455295 1	HLXU 455295 1	0	0	0	1	1	1	32	34
RMCU 464173 8	RMCU 464173 8	MMGU 464173 8	MMGU 464173 8	LUCU 319005 4	LUCU 319005 4	0	0	0				37	37
H??U 4200?? 3	HLCU ?20034 3	LUCU 319005 4	LUCU 319005 4	LUCU 240869 9	HLCU 240869 9	0	0	0	1	1	1	37	39
HLXU 228406 3	HLXU 228406 3	HLXU 228406 3	HLXU 228406 3	HLXU 228406 3	HLXU 228406 3	1	1	0				38	39
GATU 409688 5	GATU 409688 5	GATU 409688 5	GATU 409688 5	GATU 409688 5	GATU 409688 5	1	1	0				41	42
HLXU 207826 8	HLXU 207826 8	HLXU 207826 8	HLXU 207826 8	HLXU 207826 8	HLXU 207826 8	1	1	0				41	44
HLCU 427774 6	HLCU 427774 6	HLCU 427774 6	HLCU 427774 6	HLCU 427774 6	HLCU 427774 6	1	1	1				43	44
HLXU 406927 0	HLXU 406927 0	HLXU 406927 0	HLXU 406927 0	HLXU 406927 0	HLXU 406927 0	1	0	1				46	48
HLCU 264823 6	HLCU 264823 6	HLCU 264823 6	HLCU 264823 6	HLCU 264823 6	HLCU 264823 6	1	1	0				46	48
SCZU 874856 2	SCZU 874856 2	SCZU 874856 2	SCZU 874856 2	SCZU 874856 2	SCZU 874856 2	1	1	1				49	50
HLXU 432149 0	HLXU 432149 0	HLXU 432149 0	HLXU 432149 0	HLXU 432149 0	MLXU 432149 0	1	1	0				51	52
HLXU 450633 9	HLXU 450633 9	HLXU 450633 9	HLXU 450633 9	HLXU 450633 9	HLXU 450633 9	1	1	1				53	56
HLXU 213120 7	HLXU 213120 7	HLXU 213120 7	HLXU 213120 7	HLXU 213120 7	HLXU 213120 7	1	1	0				53	56
HLCU 454664 0	HLCU 454664 0	HLCU 454664 0	HLCU 454664 0	HLCU 454664 0	HLCU 454664 0	1	1	1				57	58
HLXU 228022 1	HLXU 228022 1	HLXU 228022 1	HLXU 228022 1	HLXU 228022 1	HLXU 228022 1	1	1	1				57	60
HLXU 400101 2	HLXU 400101 2	HLXU 400101 2	HLXU 400101 2	HLXU 400101 2	HLXU 400101 2	1	1	1				59	60
HLXU 405478 4	HLXU 405478 4	?LCU 405?? ?	BLCU 405778 0	MLCU 405479 4	MLCU 405479 4	0	0	0				62	65
HLXU 414658 8	HLXU 414658 8	HLXU 414658 8	HLXU 414658 8	HLXU 414658 8	HLXU 414658 8	1	1	1				62	65
HLXU 461771 0	HLXU 461761 0	HLXU 461761 0	HLXU 461761 0	HLXU 461791 0	HLXU 461761 0	1	0	1	1			67	69
HLXU 467988 5	HLXU 467988 5	HLXU 467988 5	HLXU 467988 5	HLXU 467988 5	HLXU 467988 5	1	1	1				67	69
GAEU 250015 6	GAEU 250015 6	GAEU 250015 6	GAEU 250015 6	GAEU 250015 6	GAEU 250015 6	1	1	1	1			72	74
HLCU 240603 7	HLCU 240603 7	HLCU 240603 7	HLCU 240603 7	HLCU 240603 7	HLCU 240603 7	1	1	0				72	74
HLXU 605839 9	HLXU 605839 9	HLXU 605839 9	HLXU 605839 9	HLXU 605839 9	HLXU 605839 9	1	1	1				77	78
HLCU 211236 7	HLCU 211236 7	HLCU 211236 7	HLCU 211236 7	HLCU 211236 7	HLCU 211236 7	1	1	1				77	79
HLXU 237033 0	HLXU 237033 0	HLXU 237432 0	HLXU 237033 0	HLXU 237033 0	HLXU 234412 0	0	1	0				79	79
HLXU 614032 0	HLXU 614032 0	HLXU 614032 0	HLXU 614032 0	MLXU 614032 0	MLXU 614032 0	1	1	0				82	83
HLXU 234412 0	HLXU 234412 0	HLXU 234412 0	HLXU 234412 0	HLXU 234412 0	HLXU 234412 0	0	0	0				82	84
GLDU 028149 1	GLDU 028149 1	GLDU 028149 1	GLOU 028149 1	GLOU 028149 1	GLOU 028149 1	1	0	0				83	84
GATU 078180 7	GATU 078180 7	GATU 078180 7	GATU 078180 7	GATU 078180 7	GATU 078180 7	1	1	1				87	88
GATU 104627 9	GATU 104627 9	GATU 104627 9	GATU 104627 9	GATU 104627 9	GATU 104627 9	1	1	1				88	89
UXXU 242291 3	UXXU 242291 3	UXXU 242291 3	UXXU 242291 3	UXXU 242291 3	UXXU 242291 3	1	1	0				91	92
GSTU 251243 9	GSTU 251243 9	GSTU 25243 9	GSTU 25+243 9	GSTU 25+243 9	GSTU 25+243 9	0	0	0				92	93
?LHU 200272 4	CLHU 200272 4	FLHU 700272 4	FLHU 700272 4	FLHU 700272 4	FLHU 700272 4	0	0	0		1		95	96
MAEU 769032 7	MAEU 769032 7	MAEU 769032 7	MAEU 769032 7	MAEU 769032 7	MAEU 769032 7	1	1	1				97	97
?TNU 271013 9	T?HU 237?? ?	T?HU 237?? ?	T+HU 23745? %	T?HU 23745? %	T?HU 23745? %	0	0	0				100	101
MAEU 621409 6	MAEU 621409 6	MAEU 621409 6	MAEU 621409 6	MAEU 621409 6	MAEU 621409 6	1	1	1				101	102
T?HU 23745? %	T?HU 23745? %	T?HU 23745? %	T+HU 23745? %	T?HU 23745? %	T?HU 23745? %	0	0	0				105	107
C?? ???? ?	GSTU 935?? ?	ECIU 65116? ?	ECIU 65116? ?	ECIU 65116? ?	ECIU 65116? ?	0	0	0	1	1	1	109	111
MAEU 795030 0	MAEU 795030 0	MAEU 795030 0	MAEU 795030 0	MAEU 795030 0	MAEU 795030 0	1	1	1				113	115
MAEU 461359 0	MAEU 461359 0	MAEU 461359 0	MAEU 461359 0	MAEU 461359 0	MAEU 461359 0	1	1	0				116	119
GATU 045371 0	GATU 045371 0	GATU 045371 0	GATU 045371 0	GATU 045371 0	GATU 045371 0	1	1	1				121	121
MAEU 580304 4	MAEU 580304 4	MAEU 580304 4	MAEU 580304 4	MAEU 580304 4	MAEU 580304 4	1	0	1				122	123
SEAU 231129 0	SEAU 231129 0	SEAU 231129 0	SEAU 231129 0	SEAU 231129 0	SEAU 231129 0	0	0	0				138	139
PONU 139039 9	PONU 139039 9	PONU 139039 9	PONU 139039 9	PONU 139039 9	PONU 139039 9	1	0	1				138	140
MAEU 816245 3	MAEU 816245 3	MAEU 816245 3	MAEU 816245 3	MAEU 816245 3	MAEU 816245 3	1	1	1				140	144
MAEU 794674 3	MAEU 794674 3	MAEU 794674 3	MAEU 794674 3	MAEU 794674 3	MAEU 794674 3	1	1	1				144	144
TTNU 208228 ?	TTNU 208228 ?	TTNU 208?? ?	TTNU 208?? ?	TTNU 208?? ?	TTNU 208?? ?	0	0	0	1	1	1	144	146
MAEU 795030 0	MAEU 795030 0	MAEU 795030 0	MAEU 795030 0	MAEU 795030 0	MAEU 795030 0	1	1	1				145	146
MAEU 461359 0	MAEU 461359 0	MAEU 461359 0	MAEU 461359 0	MAEU 461359 0	MAEU 461359 0	1	1	0				149	150
GATU 045371 0	GATU 045371 0	GATU 045371 0	GATU 045371 0	GATU 045371 0	GATU 045371 0	1	1	1				150	151
MAEU 580304 4	MAEU 580304 4	MAEU 580304 4	MAEU 580304 4	MAEU 580304 4	MAEU 580304 4	1	0	1				153	155
SEAU 231129 0	SEAU 231129 0	SEAU 231129 0	SEAU 231129 0	SEAU 231129 0	SEAU 231129 0	0	0	0				158	158
PONU 139039 9	PONU 139039 9	PONU 139039 9	PONU 139039 9	PONU 139039 9	PONU 139039 9	1	0	1				160	162
MAEU 816245 3	MAEU 816245 3	MAEU 816245 3	MAEU 816245 3	MAEU 816245 3	MAEU 816245 3	1	1	1				168	170
MAEU 794674 3	MAEU 794674 3	MAEU 794674 3	MAEU 794674 3	MAEU 794674 3	MAEU 794674 3	1	1	1				173	174
TTNU 208228 ?	TTNU 208228 ?	TTNU 208?? ?	TTNU 208?? ?	TTNU 208?? ?	TTNU 208?? ?	0	0	0	1	1	1	175	175

AEI/OCR System Integration



Acceptance Tests Form MOVE 221

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID - C1		Code ID - C2		Invalid		# Image		
2001-09-02	04:42:38	221	00:06:04	294	303	Invalid	Invalid	Invalid	Invalid	C1	C2	C1	C2	
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Match	Match	Match	Invalid C1	Invalid C2	Invalid	C1	C2	
H?LU 2??445 1	HDLU 200445 1	HDLU 200445 1		HDLU 200445 1	1	0		1					178	179
SEAU 222008 1	SEAU 222008 1	SEAU 222008 1	SIAU 222008 1	SEAU 222008 1	1	0		1					180	180
NYKU 230307 3	NYKU 230307 3	??GU 2303?? 3	?NGU 230307 3	NYGU 230363 3	0	0		0					183	184
SCMU 240549 9	SCMU 240549 9	SCMU 240549 9	SCMU 240549 9	SCMU 240549 9	1	1		1					185	185
GATU 085706 0	GATU 085706 0	GATU 085706 0	GATU 085706 0	CATU 085706 0	1	1		0					188	189
P?CU 066185 1	P?CU 066185 1	POCU 066185 1	POCU 066185 1	POCU 066185 1	0	0		0		1	1	1	190	190
MAEU 677813 6	MAEU 677813 6	MAEU 677813 6	MAEU 677813 6	CAXU 607633 0	1	1		0					193	194
???? 2??2?? 2	CAXU 602633 0				0	0		0		1			195	195
POCU 050245 9	POCU 050245 9	POCU 050245 9	POCU 050245 9	POCU 050245 9	1	1		1					198	199
PONU 098352 7	PONU 098352 7	PONU 098352 7	PONU 098352 7	PONU 098352 7	1	1		1					200	200
BHCU 244727 0	BHCU 244727 0	BHCU 244727 0	BHCU 244727 0	BHCU 244727 0	1	1		1					203	204
PRSU 219315 0	PRSU 219315 0	PRSU 219315 0	PRSU 219315 0	H??U 219315 0	1	1		0					205	305
DAYU 202518 2	DAYU 202518 2	DAYU 202518 2	DAYU 202518 2	DAYU 202518 2	1	1		1					208	209
TTNU 303018 ?	TTNU 303018 ?	TTNU 303018 ?		TTNU 303018 %	0	0		0		1	1	1	210	210
ICSU 447862 4	ICSU 447862 4	ICSU 447562 4	ICSU 447562 4	ICSU 447562 4	0	0		0					213	214
MAEU 672317 5	MAEU 672317 5	MAEU 672317 5	MAEU 672317 5	M+EU 672317 5	1	1		0					215	216
SEAU 229697 6	SEAU 229697 6	SEAU 229697 6	SEAU 229697 6	SEAU 229697 6	1	1		1					218	219
MSKU 200612 7	MSKU 200612 7	MSKU 200612 7	NISU 200612 7	MSKU 200612 7	1	0		1					220	220
BHCU 300448 8	BH?? ????? 8	BHCU 300448 8	BHCU 300448 8		1	0		0			1		223	224
PONU 013327 2	PONU 013327 2	PONU 013327 2	PONU 013327 2	PONU 013327 2	1	1		1					225	225
POCU 023553 7	POCU 023553 7	POCU 023553 7	POCU 023553 7	POCU 023553 7	1	1		1					228	229
TRIU 367124 2	TRIU 367124 2	TRIU 367124 2	TRIU 367124 2	TRIU 367124 2	1	1		1					230	231
PONU 078441 7	PONU 078441 7	PONU 078441 7	PONU 078441 7	PONU 078441 7	1	1		1					233	234
POCU 0?2905 0	POCU 032905 0	POCU 032905 0	POCU 032905 0	POCU 032905 0	1	0		1		1			235	235
ICSU 501865 9	ICSU 501865 9	ICSU 501865 9	ICSU 501865 9	ICSU 501865 9	1	1		1					245	246
INBU ?05004 6	INBU 305004 6	INBU 305004 6	INBU 305004 6	INBU 305004 %	1	0		1		1	1		246	247
	PONU 074549 4	PONU 074549 4		PONU 074549 4	1	0		1					254	254
	PONU 015032 5	PONU 015032 5		PONU 015032 5	1	0		1					256	256
GSTU 286574 0	GSTU 286574 0	GSTU 286574 0		GSTU 286574 0	1	0		1					249	260
MAEU 830748 0	MAEU 830748 0	MAEU 830748 0	MAEU 830748 0	MAEU 830713 0	1	0		0					249	261
SEAU 210741 3	SEAU 210741 3	SEAU 210741 3	SFAU 210741 0	SEAU 210741 3	1	0		1					251	261
PONU 098942 2	PONU 098942 2	PONU 098942 2	PONU 098942 2	PONU 098942 2	1	0		1					254	264
TTNU 973126 2	TTNU 973126 2	TTNU 973126 2	TTWU 973126 8	TTNU 973126 2	1	0		1					254	266
KNLU 334867 0	KNLU 334867 0	KNLU 334867 0	KNLU 334867 0	KNLU 334867 0	1	1		1					255	266
M?KU 225387 3	M?KU 225387 3	MSKU 225387 3	AJKU 225387 3	M+KU 225387 3	0	0		0		1	1	1	259	269
TRLU 413977 4	TRLU 413977 4	TRLU 413977 4	TRLU 413977 4	TRLU 413977 4	1	1		1					259	271
MAEU 781635 4	MAEU 781635 4	MAEU 781635 4	MAEU 781635 4	MAEU 781635 4	1	1		1					260	271
SEAU 229973 8	SEAU 229973 8	SEAU 229973 8	SLAU 229973 0	SEAU 229173 8	1	0		0					264	274
PONU 151275 3	PONU 151275 3	PONU 151275 3	PONU 151275 3	PONU 151275 3	1	1		1					264	276
MAEU 784988 8	MAEU 784988 8	MAEU 784988 8	MAEU 784988 8	MAEU 784988 8	1	1		1					265	276
SEAU 225487 8	SEAU 225487 8	SEAU 225487 8	OEAU 225487 8	OEAU 225487 8	0	0		0					269	279
TEXU 471572 1	TEXU 471572 1	TEXU 471572 1	TEXU 471572 1	TEXU 471572 1	1	0		1					269	280
GATU 079139 0	GATU 079139 0	GATU 079139 0	GATU 079139 0	GATU 079139 0	1	1		1					270	280
H?LU 200167 9	HDLU 200167 9	HDLU 200167 9	HDLU 200167 9	HOLU 200167 9	0	0		0		1			274	284
GLDU 096737 3	GLDU 096737 3	GLDU 096737 3	GLDU 096737 3	GLDU 096737 3	1	1		1					274	285
PONU 071264 9	PONU 071264 9	PONU 071264 9	PONU 071264 9	PONU 071264 9	1	1		1					275	285
APMU 276177 4	APMU 276177 4	APMU 276177 4	APMU 276177 4	APMU 276177 4	1	1		0					279	289
POCU 421751 0	POCU 421751 0	POCU 421751 0	POCU 421751 0	POCU 421751 0	1	0		1					279	290
POCU 006236 5	POCU 006236 5	POCU 006236 5	POCU 006236 5	POCU 006236 5	1	1		1					280	290
TPHU 512380 5	TPHU 512380 5	TPHU 512380 5	TPHU 512380 5	TPHU 512380 5	1	1		1					284	295
OCLU 139128 6	OCLU 139128 6	OCLU 139128 6	OCLU 139128 6	OCLU 139128 5	0	0		0		1			284	295
KNLU 336673 5	KNLU 336673 5	KNLU 336673 5	KNLU 336673 5	KNLU 336673 %	0	0		0					289	299
PONU 723563 5	PONU 723563 5	PONU 723563 5	PONU 723563 5	PONU 723563 5	1	1		0					289	301
???? 2??5?? 8	GSTU 218537 8				0	0		0		1			291	301

Nb. of containers : 118 Match Code ID : 90 Nb. Of Invalid C1 : 25
 Match Code ID C1 : 69 Match Code ID C2 : 68 Nb. Of Invalid C2 : 13
 Match Code ID C2 : 68 Nb. Of Invalid : 12

Perfect match code : 48

	C1	C2	PoM
Accuracy :	74.194%	64.762%	84.906%

AEI/OCR System Integration



Acceptance Tests Form MOVE 224

DATE	Move time	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2								
2001-09-02	11:36:34	224	00:04:45	229	221								
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2	
MAEU 697335 9	MAEU 697335 9	MAEU 697335 9		MAEU 697335 9	1	0	1				7	8	
TRLU 574385 5	TRLU 574385 5	TRLU 574385 5		TRLU 574385 5	1	0	1				7	10	
INBU 332747 0	INBU 332747 0	INBU 332747 0		INBU 332747 0	0	0	0		1		8	10	
ALNU 890103 6	ALNU 890103 6	ALNU 890103 6		ALNU 890103 6	1	0	1				12	13	
TRIU 577260 6	TRIU 577260 6	TRIU 577260 6		TRIU 577260 6	1	0	1				12	14	
???? 407184 ?	GS?? 407104 0				0	0	0	1	1	1	14	14	
TTNU 305867 9	TTNU 305867 9	TTNU 305867 ?		TTNU 305867 ?	0	0	0				17	18	
TEXU 517616 2	TE?U ?1?616 2	TEXU 117616 2		TEXU 117616 2	0	0	0		1		17	19	
SIPU 211309 8	SIPU 211309 8	SIPU 211309 8		SIPU 211309 8	1	0	1				18	19	
PONU 148271 0	PONU 148271 0	PONU 148271 0		PONU 148271 0	1	0	1				22	24	
MWCU 660880 0	MWCU 660880 0	MILU 660880 0		MILU 660880 0	0	0	0				22	24	
MAEU 606995 3	MAEU 606995 3				0	0	0				27	29	
TRIU 944019 5	TRIU 944019 5				0	0	0				27	29	
TTNU 48129? ?	TTNU 48129? ?	TTNU 4817?? ?	TTNU 4817?? %		0	0	0	1	1	1	32	35	
SEAU 852269 0	SEAU 852269 0	SEAU 852269 0	SEAU 852269 0	SEAU 858269 0	1	1	0				32	35	
GESU 905337 2	GESU 905337 2	GESU 905337 2	GESU 905337 2	GESU 905337 2	1	0	1	1			38	40	
CRLU 520798 5	CRLU 520798 5	CRLU 520798 5	CRLU 520798 5	CHIU 520798 5	1	1	0				38	40	
EISU 304326 4	EISU 304326 4	EISU 304326 4	@ISU 304326 1	EISU 304326 4	1	0	1				43	44	
CAXU ??7522 4	CAXU 967592 4	GAXU 967692 4		CAXU 967692 4	0	0	0				43	45	
EMCU 279435 1	EMCU 279435 1	EMCU 279495 1	EMCU 279495 1	EMCU 279495 1	0	1	0				44	45	
TRLU 630896 0	TRLU 630896 0	TRLU 630896 0	TRLU 630896 0	TRLU 630896 0	1	1	1				48	50	
INBU 519670 2	INBU 519670 2	INBU 519670 2	INBU 519670 2	INBU 519670 2	1	1	1				48	50	
OCLU 078598 2	OCLU 088598 2	OCLU 018598 1	OCLU 018598 1	N#@U 5+6128 9	0	0	0		1		52	53	
ITLU 553387 2	ITLU 553387 2	ITLU 553387 2	ITLU 553387 2	ITLU 553387 2	1	1	1				52	54	
KNLU 317016 3	KNLU 319016 3	KNLU 319016 3	KNLU 319016 3	KNLU 319016 3	0	0	0		1		53	54	
KNLU 337305 6	KNLU 337305 6	KNLU 337305 6	KNLU 337305 6	KNLU 337305 6	1	1	1				57	58	
MAEU 731950 6	MAEU 731950 6	MAEU 731950 6	MAEU 731950 6	MAEU 731950 6	1	1	1				57	59	
NYKU 237458 6	NYKU 237458 6	NYKU 237458 6	NYKU 237458 6	MYKU 237458 5	1	1	0				58	59	
MAEU 636319 2	MAEU 636319 2	MAEU 636319 2	MAEU 636319 2	MAEU 636319 2	1	1	1				62	64	
M?EU 66?863 ?	MAEU 603863 3	M?EU 66?186 3	M+EU 66+86 3	AAAU 603863 3	0	0	0		1		62	64	
MAEU 831077 7	MAEU 831077 7	MAEU 831077 7	IAEU 831077 7	MAEU 831077 7	1	1	1				67	69	
???? ???? ?	KNLU 506832 3	KNLU 506832 3		KNLU 506832 3	0	0	0		1		67	69	
MAEU 837134 5	MAEU 837134 5	MAEU 837134 5	MAEU 837134 5	MAEU 837134 5	1	1	1				72	74	
TRIU 914422 8	TRIU 914422 8	TRIU 914422 8	TRIU 914422 8	TRIU 914422 1	1	1	0				76	79	
TOLU 182493 ?	TOLU 182493 ?	TOLU 182493 ?	TOLU 182493 ?	IOLU 182493 2	0	0	0	1	1	1	76	79	
ITLU 736963 9	ITLU 736963 9	ITLU 736963 9	ITLU 736963 9	ITLU 736963 9	1	1	1				81	83	
MAEU 824878 9	MAEU 824878 9	MAEU 824878 9	MAEU 824878 9	MAEU 824878 9	1	1	1				86	88	
CAXU ??3?23 ?	CAXU 963693 3				0	0	0		1		86	88	
MAEU 731593 8	MAEU 731593 8	MAEU 731593 8	MAEU 731593 8	MAEU 731538 %	1	1	0				91	93	
ICSU 172338 9	ICSU 172338 9	ICSU 172338 9	ICSU 172338 9	ICSU 172338 9	1	1	1				91	93	
MLC? 43??42 ?	MLC? 432042 8	GI?U 4320?2 8		GI@U 4320+2 8	0	0	0		1		96	98	
KNLU 460849 5	KNLU 460849 5	KNLU 460849 5	KNLU 460849 5	KNLU 460849 5	1	1	1				96	98	
CLHU 405491 7	CLHU 405491 7	CLHU 405491 7	CLHU 405491 7	CLRU 405491 7	1	1	0				101	103	
SEAU 947185 3	SEAU 945185 3	SEAU 845185 3	SFAU 845185 3	SEAU 845185 1	0	0	0		1		101	103	
PONU 134437 2	PONU 134437 2	PONU 134437 2	PONU 134437 2	PONU 134437 2	1	1	1				106	108	
CAXU 4243?? 6	CAXU 424399 6	CAXU 424099 4		CAXU 424099 4	0	0	0		1		106	108	
POCU 112816 9	POCU 112816 9	POCU 112816 9	POCU 112816 9		1	1	0				111	113	
SEAU 874990 9	SEAU 87?990 9	SIAU 874990 9	SIAU 874990 9		0	0	0		1		111	113	
TTNU 992370 6	TTNU 992370 6	TTNU 992370 6	TTNU 99237? %	TTNU 992370 6	1	0	1				116	118	
MAEU 611027 6	MAEU 611027 6	MAEU 611027 6	MAEU 611027 6	MAEU 611027 6	1	1	1				116	118	
POCU 056981 1	POCU 056981 1	POCU 056981 1	POCU 056981 1	POCU 056981 1	1	1	1				121	121	
APMU 270702 7	APMU 270702 7	APMU 270702 7	APMU 270702 7	APNU 270732 9	1	1	0				122	123	
TPHU 811737 0	TPHU 811737 0	TPHU 811737 0	TPHU 811737 0	TPMU 811737 0	1	1	0				125	126	
MSKU 616940 0	MSKU 616940 0	MSKU 616940 0	MSKU 616940 0	MSKU 616940 0	1	1	1				125	128	
CRXU 161033 0	CRXU 161033 0	CRXU 161033 0	**LU 610330 %	CRXU 161033 0	1	0	1				127	128	
MSKU 220266 5	MSKU 220266 5	MSKU 220266 5	MSKU 220266 5	MSKU 220266 5	1	1	1				130	131	
APMU 800307 2	APMU 800307 2	APMU 800307 2	APMU 800307 2	APMU 800307 2	1	1	1				130	132	
SCMU 203769 5	SCMU 203769 5	SCMU 203769 5	SCMU 203769 5	SCMU 203769 5	1	0	1				132	132	
GSTU 44?4?4 ?	GSTU 440484 0				0	0	0		1		135	136	
TTNU 985907 9	TTNU 985907 9	TTNU 985907 9	TTNU 985907 9	TTNU 985907 9	1	0	1				135	137	
???? ???? ?	?STU 500403 0				0	0	0		1	1	137	137	
SCMU 207756 9	SCMU 207756 9	SCMU 207756 9	SCMU 207756 9	SCMU 2077+6 9	1	1	0				139	140	
GATU 414780 6	GATU 414780 6	G?TU 4??78? ?	GATU 414780 6	GSTU 440484 0	0	1	0				142	144	
GLDU 026209 0	GLDU 026209 0	GLDU 026209 0	GLOU 026209 0	GLOU 026209 0	1	0	0				146	147	

AEI/OCR System Integration



Acceptance Tests Form

MOVE 224

DATE	Move time	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID -		Invalid		# Image	
2001-09-02	11:36:34	224	00:04:45	229	221	C1 Match	C2 Match	C1	C2	C1	C2
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match	Invalid C1	Invalid C2	Invalid	# Image
SEAU 746736 1	SEAU 846736 1	SEAU 846736 1	SEAU 946736 1	SEAU 846736 1	1	0	1	1			146
PONU 068092 1	PONU 078092 1	PONU 068092 1	PO+U 068092 1	PDNU 068092 1	0	0	0		1		148
?M?? 2????? 7	CNBU 73?58? 7	GKEU 59?56? ?		GKEU 59+56% %	0	0	0	1		1	152
OCLU 145151 1	OCLU 145151 1	OCLU ?????? 1	OCLU 451511 1	OCLU 145191 1	0	0	0				152
GATU 100392 9	GATU 100?92 9	GATU 100392 9	@ATU 100392 9	GATU 100929 %	0	0	0			1	153
TRIU 497494 2		TRIU 497494 2	TRIU 497494 2		1	1	0			1	157
TTNU 989541 4					0	0	0			1	157
GATU 434403 0		GATU 434403 0	GATU 434403 0		1	1	0			1	162
KNLU 500134 0		KNLU 500134 0	KNLU 500134 0		1	1	0			1	162
CRXU 974550 1	CRXU 974550 1	CRXU 974550 1	TRXU 974550 1	CRXU 974550 1	1	0	1				167
CLHU 801789 2	CLHU 801789 2	CLHU 801789 2	CLHU 801789 2	CLHU 801789 2	1	1	1				167
SEAU 852253 5	SEAU 852253 5	SEAU 852253 5	SEAU 852253 5	SEAU 852253 0	1	1	0				171
TRIU 998069 7	TRIU 998069 7	TRIU 998069 7	TRIU 998069 7	TRIU 998069 7	1	1	1				171
INBU 514746 2	INBU 514746 2	INBU 514746 2	INBU 514746 2	INBU 514746 2	1	1	1				176
INBU 515556 0	INBU 515556 0	IHBU 51555? 0	IHBU 515558 0	IHBU 515556 0	0	0	0				176
SEAU 847375 0	SEAU 847375 0	SEAU 847375 0	SEAU 847375 0	SEAU 847375 0	1	0	1				181
MAEU 706436 6	MAEU 7064?? 6	MAEU 706436 6	MAEU 706436 6		1	1	0			1	183
INBU 506907 7	INBU 506907 7	INBU 506907 7	INBU 506907 7	INBU 506907 7	1	1	1				188
SEAU 846183 0	SEAU 846183 0	SEAU 846183 0	SLAU 846183 0	SEAU 846183 0	0	0	1				188
CAXU 468888 9	CAXU 468?88 9	?CAU 46?888 9		*CAU 46+888 9	0	0	0			1	192
TTNU 401059 8	TTNU 401059 8	TTNU 401059 8	TIMU 401059 8	TTNU 401059 8	1	0	1				192
MAEU 611441 4	MAEU 611441 4	MAEU 611441 4	MAEU 611441 4	MAEU 611441 4	1	1	1				196
MAEU 737011 2	MAEU 737011 2	MAEU 737011 2	MAEU 737011 2	MAEU 737073 2	1	0	0				196
SEAU 840854 3	SEAU 840854 3	SEAU 840854 3	SEAU 840854 1	SEAU 840854 3	1	0	1				200
MAEU 703470 9	MAEU 703470 9	MAEU 703470 9	MAEU 603470 9	IAEU 703470 9	1	0	0				200
SEAU 859226 0	SEAU 859226 0	SEAU 859226 0	SEAU 8+9226 0	SEAU 859226 0	1	0	1				204
GSTU 862306 5	GSTU 862306 5	???? ?????? ?	OSTU 862306 6	GSTU 623065 %	0	0	0				204
CMBU 409265 0	CMBU 409265 0	C?OU 809216 ?	C+OU 809216 %		0	0	0				209
MSKU 600501 0	MSKU 600501 0	MSKU 600501 0	MSKU 600501 0	MSKU 600501 0	1	1	1				213
GCCU 5??30? 5	GCCU 500308 5				0	0	0			1	213
TPHU 521200 8	TPHU 521200 8	TPHU 521200 8	TPHU 521200 8	TPHU 521200 8	1	1	1				217
MAEU 714519 5	MAEU 714519 5	MAEU 714519 5	MAEU 714519 5	MAEU 714595 %	1	1	0				220
PONU 711174 2	PONU 711174 2	PONU 711174 2	PONU 711174 2	PONU 711174 2	1	1	1				220
POCU 022996 1	POCU 022996 1	POCU 022996 1	POCU 022996 1		1	1	0				224
GLDU 202887 8	GLDU 202887 8		GLDU 202887 8		1	1	0				226

Nb. of containers : 99 Match Code ID : 66 Nb. Of Invalid C1 : 18
 Match Code ID C1 : 45 Match Code ID C2 : 45 Nb. Of Invalid C2 : 16
 Match Code ID C2 : 45 Nb. Of Invalid : 5

Perfect match code : 24

	C1	C2	PoM
Accuracy :	55.556%	54.217%	70.213%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 227

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID - C1 Match		Code ID - C2 Match		Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
2001-09-03	02:33:26	227	00:05:08	208	200	PoM	C1 Match	Match	Match					
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match	Match	Invalid C1	Invalid C2	Invalid			
MAEU 816610 3	MAEU 816610 3	MAEU 816610 3	MAEU 816610 3	MAEU 816610 3	1	1	1	0					23	22
OOLU 332713 9	OOLU 332713 9	OOLU 332713 9	OOLU 332713 9	OOLU 332713 9	1	1	1	0					36	36
OOLU 340734 2	OOLU 340734 2	OOLU 340734 2	OOLU 340734 2	OOLU 340734 2	1	1	0	0					37	37
HLXU 239686 5	HLXU 239686 5	HLXU 239686 5	HLXU 239686 5	HLXU 239686 5	1	1	0	0					39	39
HLXU 402207 8	HLXU 402207 8	HLXU 402207 8	HLXU 402207 8	HLXU 402207 8	1	0	0	0					47	46
HLXU 209591 7	HLXU 209591 7	HLXU 209591 7	HLXU 209591 7	HLXU 209591 7	1	1	0	0					49	49
HLC? 202216 0	HLCU 202216 ?	HLCU 9160?? ?	HLCU 9160?? ?	HLCU 9160?? ?	0	0	0	0	1	1	1		51	51
TRIU 549853 7	TRIU 549853 7	TRIU 5498?? ?	TRIU 5498?? ?	TRIU 5498?? ?	0	0	0	0					61	60
MAEU 580270 5	MAEU 580270 5	MAEU 580770 5	MAEU 580770 5	MAEU 580770 5	0	0	0	0					65	64
MAEU 700271 7	MAEU 700271 7	IAEU 700271 7	IAEU 700271 7	IAEU 700271 7	0	0	0	0					70	69
SEAU 217995 9	SEAU 217995 9	SEAU 217995 9	SEAU 217995 9	SEAU 217995 9	1	1	0	0					79	79
SEAU 560427 0	SEAU 560427 0	SEAU 560427 0	SEAU 560427 0	SEAU 560427 0	1	1	0	0					84	83
INBU 487193 5	INBU 487193 5				0	0	0	0					87	86
PONU 748492 0	PONU 748492 0	PONU 748492 0	PONU 748492 0	PONU 748492 0	1	1	0	0					91	89
PONU 718777 4	PONU 718777 4	PONU 718777 4	PONU 718777 4	PONU 718777 4	1	1	0	0					94	93
GATU 422869 9	GATU 422869 9	GATU 422869 9	GATU 422869 9	GATU 422869 9	1	1	0	0					98	97
TPHU 518892 0	TPHU 518892 0	TPHU 518892 0	TPHU 518892 0	TPHU 518892 0	1	1	0	0					103	102
SEAU 866397 6	SEAU 866397 6	SEAU 866397 6	SEAU 866397 6	SEAU 866397 6	1	1	0	0					107	105
MAEU 710393 9	MAEU 710393 9	JLLU 710393 9	JLLU 710393 9	JLLU 710393 9	0	0	0	0					111	110
PONU 718273 0	PONU 718273 0	PONU 718273 0	PONU 718273 0	@INU 718273 0	1	1	0	0					114	113
CLHU 823739 3	CLHU 823739 3	??HU 823739 3	@@HU 823739 3		0	0	0	0					118	117
KLNU 506791 8	KLNU 506791 8	KLNU 506791 8	KLNU 506791 8	KLNU 506791 8	1	0	1	1					121	120
MAEU 517173 9	MAEU 517173 9	IA?U 517173 9	IAEU 517173 9	IAFU 517173 9	0	0	0	0					129	128
???? 570992 7	???? 570992 7	IIIU 61007? ?	IIIU 61007? ?	LOWU 400107 1	0	0	0	0	1	1	1		129	128
MAEU 599466 0	MAEU 599466 0	MAEU 599466 0	MAEU 599466 0	MAEU 599466 0	1	1	0	0					134	133
MAEU 537561 9	MAEU 537561 9	MAEU 537561 9	MAEU 537561 9	MAEU 537561 9	1	0	1	1					134	133
CNGU 000858 ?	???? ??????? ?	?SPU 000858 ?	@SPU 000858 ?		0	0	0	0	1	1	1		139	138
???? 553007 0	TEXU 553007 0	TEXU 553007 0	TEXU 553007 0	TEXU 553007 0	1	0	1	1					139	138
MSKU 615573 0	MSKU 615573 0	MSKU 615573 0	MSKU 615573 0	MSKU 615573 0	1	1	0	0					144	152
MAEU 801369 7	MAEU 801369 7	MAEU 801369 7	MAEU 801369 7	MAEU 801369 7	1	1	1	1					144	142
MSKU 221819 4	MSKU 221819 4	MSKU 221819 4	MSKU 221819 4	ZZIU 2261?? ?	1	1	0	0					147	147
SAMU 214629 0	SAMU 214629 0	SAMU 714679 0	SAMU 714679 0		0	0	0	0					148	148
TRIU 571029 2	TRIU 571029 2	TRIU 571029 2	TRIU 571029 2	TRIU 571029 2	1	1	1	1					148	147
CRXU 160921 6	CRXU 160921 6	CRXU 160921 6	CRXU 160921 6		1	1	0	0					151	151
MAEU 777101 7	MAEU 777101 7	MAEU 777101 7	MAEU 777101 2		0	0	0	0					153	153
TRIU 497447 5	TRIU 497447 5	TRIU 497479 1	TRIU 497479 1		0	0	0	0					156	155
SCXU 469279 ?	SCXU 469279 2	CMGU 4692?? ?	CMGU 4692?? ?		0	0	0	0	1				159	158
GLDU 058942 1	GLDU 058942 1	GLDU 058942 1	GLDU 220110 3	GLDU 058942 1	1	0	1	1					163	162
MMMU 342301 7	MMMU 342301 7	MMMU 342301 7	MMMU 342301 7		1	1	0	0					165	165
GSTU 485326 5	GSTU 485326 5	GSTU 485326 5	GSTU 485326 5		1	1	0	0					167	167
CLHU 209724 ?	CLHU 209724 ?	CLHU 20972? ?	CLHU 20972? ?		0	0	0	0	1	1	1		170	170
BENU 232373 0	BENU 232373 0	BENU 232373 0	BENU 232373 0		1	1	0	0					171	171
MAEU 717951 2	MAEU 717951 2	MAEU 717951 2	MAEU 717951 2	MAEU 717951 2	1	1	1	1					171	170
SEAU 482709 5	SEAU 482709 5	SEAU 482709 5	SEAU 482709 5		1	1	0	0					176	175
APMU ?0208? 2	APMU ?0208? 2	APMU 702088 2	APMU 302080 2	@PMU 102089 2	0	0	0	0	1	1	1		176	175
MAEU 683854 9	MAEU 683854 9	MAEU 683854 9	MAEU 683854 9	MAEU 683854 9	1	1	1	1					180	179
MSKU 213635 2	MSKU 213635 2	MSKU 213635 2	MSKU 213635 2		1	1	0	0					181	180
TRLU 443207 8	TRLU 443207 8	TRLU 443207 8	TRLU 443207 8	TRLU 443207 8	1	1	1	1					181	179
SEAU 809965 5	SEAU 809965 5	SEAU 809965 5	SEAU 809965 5		1	1	0	0					186	184
SEAU 818054 0	SEAU 818054 0	TIAU 818054 0	TIAU 818054 0		0	0	0	0					191	189
TEXU 489664 2	TEXU 489664 2	TEXU 489664 2	TEXU 489664 2		0	0	0	0			1		196	196

Nb. of containers : 51
 Match Code ID : 33
 Match Code ID C1 : 27
 Match Code ID C2 : 10
 Nb. Of Invalid C1 : 7
 Nb. Of Invalid C2 : 6
 Nb. Of Invalid : 5

Perfect match code : 5

	C1	C2	PoM
Accuracy :	61.364%	22.222%	71.739%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 228

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID - C1 Match		Code ID - C2 Match		Invalid C1	Invalid C2	# Image C1	# Image C2
2001-09-03	03:06:08	228	00:04:44	212	211	Code ID - C1	Code ID - C2	Invalid C1	Invalid C2	Invalid			
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1	Code ID - C2	Invalid C1	Invalid C2	Invalid		# Image C1	# Image C2
TRIU 594541 9	TRIU 594541 9	TRIU 594541 9	TRIU 594541 9	TRIU 594541 9	1	1	1					9	11
TGHU 401164 9	TGHU 401164 9	TGHU 401164 9	TGHU 401164 9	TGHU 401164 9	0	0	0					9	11
BENU 480574 6	BENU 480574 6	BENU 480574 6	BENU 480574 6	BENU 480574 6	1	1	1					13	15
INBU 506362 8	INBU 506362 8	INBU 506362 8	INBU 506362 8	INBU 506362 8	1	0	1					13	15
MAEU 739089 1	MAEU 739089 1	MAEU 739089 1	MAEU 739089 1	MAEU 739089 1	1	1	1					17	19
INBU 511356 5	INBU 511356 5	INGU 511356 5	INGU 511356 5	INGU 511356 5	0	0	0					17	19
MAEU 618805 8	MAEU 618805 8	MAEU 618805 8	MAEU 618805 8	MAEU 618805 8	1	1	1					22	24
CLHU 401930 4	CLHU 401930 4	CLHU 401930 4	CLHU 401930 4	CLHU 401930 4	1	1	1					22	24
MAEU 711107 1	MAEU 711107 1				0	0	0					27	29
GATU 404919 0	GATU 404919 0				0	0	0		1			27	29
CAXU 409769 2	CAXU 409869 2	CAXU 409869 2	CAXU 409869 2	CAXU 409869 2	1	0	1					32	34
MAEU 713748 2	MAEU 713748 2	MAEU 713748 2	MAEU 713748 2	MAEU 713748 2	1	0	0		1			32	34
MAEU 730968 4	MAEU 730968 4	MAEU 730968 4	IAEU 730968 4	VAEU 730368 4	1	0	0					37	39
?M?? 4??71?	CMBU 406719 6	CMBU 406719 6	IY@U 76151% %	CMBU 406719 6	1	0	1		1			37	39
SCMU 403572 6	SCMU 403572 6	SCMU 403572 6	SCMU 403572 8	SCMU 403572 6	1	0	1					41	43
??U 4?152?	SAMU 401526 2	SAMU 401526 2	ISZU 2+431% %	SAMU 401526 2	0	0	0		1			41	43
MAEU 732216 1	MAEU 732216 1	MAEU ?322?? ?	MAEU 232216 1	MAEU 732281 %	0	0	0					45	47
??U 4?152?	CMBU 406719 6	PAIU 1?71?1 ?	PAIU 1+71+1 %	CMBU 16880% %	0	0	0		1	1	1	45	47
TRIU 512440 8	TRIU 512440 8	TRIU 512440 8	TRIU 512440 8	TRIU 512440 8	1	1	0					49	51
SEAU 780765 7	S?AU 780765 7	CIAU 781765 7	SIAU 781765 7	LLAU 780765 7	0	0	0		1			49	51
MSKU 602894 7	MSKU 602894 7	MSKU 602894 7	MSKU 602894 7	MSKU 602894 7	1	1	1					53	55
MAEU 730467 6	??U 4??71?	MAEU 730466 2	MAEU 730466 %		0	0	0		1	1	1	53	55
TRLU 401194 7	TRLU 401194 7	TRLU 401194 0			0	0	0					58	60
SEAU 815987 8	SEAU 815987 8	SEAU 815987 8	SIAU 81+987 8	SEAU 815987 8	1	0	1		1			63	65
MAEU 607970 9	MAEU 607970 9	MAEU 607970 9	MAEU 607970 9	MAEU 607970 9	1	1	1					63	65
MAEU 710989 7	MAEU 710989 7	MAEU 710989 7	MAEU 710989 7	IAEU 710989 7	1	1	0					68	70
MAEU 601259 9	MAEU 601259 9	??U 601259 9	AAEU 601259 9	@JUU 601259 9	0	0	0					72	74
TTNU 462251 0	TTNU 462251 0	TTNU 462251 0		TTNU 462251 0	1	0	1					72	74
CLHU 415643 6	CLHU 415643 6	CLHU 415643 6	CLHU 415643 6	CLRU 415643 6	1	1	0					76	78
ICSU 170962 6	ICSU 170962 6	ICSU 170962 6	ICSU 170962 6	ICSU 170962 6	1	1	1					76	78
MAEU 732185 9	MAEU 732185 9	MAEU 732185 9	MAEU 732185 9		1	1	0					80	82
MAEU 721235 4	MAEU 721235 4	MAEU 721235 4	MAEU 721235 4		1	1	0					80	82
SEAU 428396 2	SEAU 428396 2	SEAU 428396 2	SEAU 428396 2	SEAU 428396 2	1	1	1					84	86
TTNU 440719 0	TTNU 440719 0	TTNU 440719 0	TTNU 440719 0	TINU 44071% %	1	1	0					84	86
CLHU 406847 0	CLHU 406847 0	CLHU 406847 0	CLHU 406847 0	CLHU 406847 0	1	1	1					88	90
MAEU 726437 9	MAEU 726437 9	MAEU 726437 9	MAEU 726437 9	MAEU 726437 9	1	1	0					88	90
KNLU 327523 4	KNLU 327523 4	KNLU 327523 4	KNLU 327523 4	KNLU 327523 4	1	0	0					92	93
POCU 400471 7	POCU 400471 0	POCU 400471 0	POCU 400471 0	POCU 400471 0	1	0	1		1			94	94
KNLU 329429 7	KNLU 329429 7	KNLU 329429 7	KNLU 329429 7		1	1	0					97	98
INBU 483447 7	?NBU 483447 7				0	0	0		1	1	1	97	99
TEXU 222694 8	TEXU 222694 8	TEXU 222894 8	TEXU 222894 8		0	0	0					99	99
GATU 106507 3	GATU 106507 3				0	0	0					102	103
??U 4??71?	CAXU 285430 0	CAXU 285430 3		CAXU 285430 3	0	0	0		1			103	104
TTNU 467697 0	TTNU 467697 0	TTMU 467697 0		TTMU 467697 0	0	0	0					102	104
SAMU 214453 2	SAMU 214453 2	SAMU 214453 2	SAMU 714453 2	SAMU 214453 2	1	0	1					107	108
TTNU 983567 3	TTNU 983567 3	TTNU 983567 3		TTNU 983567 3	1	0	1					107	109
PONU 089649 0	PONU 089649 0	PONU 089649 0	PONU 089649 0	PONU 089649 0	1	1	1					109	109
PONU 086103 0	PONU 086103 0	PONU 086103 0	PONU 086103 0	PONU 086103 %	1	0	0					111	112
PONU 716488 7	PONU 716488 7	PONU 716488 7	PONU 716488 7	PONU 716488 7	1	1	1					115	117
PONU 303396 0	PONU 303396 0	PONU 303396 0	PONU 303396 0	PONU 303396 0	1	1	1					118	121
TRIU 456565 1	TRIU 456565 1	TRIU 456565 1	TRIU 456565 1	TRIU 456565 1	1	1	1					122	124
PONU 301982 8	PONU 301982 8	PONU 301982 8	PONU 301982 8	PONU 301982 8	1	1	1					126	128
TRIU 417899 2	?T?I? 417899 2	LTIU 417899 9	TRIU 417999 0	*TIU 417899 9	0	0	0		1	1	1	130	132
MAEU 611295 7	MAEU 611295 7	MAEU 611295 7	MAEU 611295 7	CCCU 4261% %	1	1	0					135	136
MAEU 618867 5	MAEU 618867 5	MAEU 618867 5	MAEU 618867 5	MAEU 618867 5	1	1	1					139	141
TRLU 297850 0	TRLU 297850 0	TRLU 297850 0	TRLU 297850 0	TRLU 297850 0	1	1	1					144	145
MSKU 807749 4	MSKU 807749 4	MSKU 807749 4	MSKU 807749 4	MSKU 807749 4	1	1	1					149	151
SCMU 402638 6	SCMU 402638 6	SCMU 402638 6	SCMU 402638 6	SCMU 402638 6	1	0	1					149	151
TTNU 977743 2	TTNU 977743 2	OINU 977743 2	@@GU 222727 2	OINU 977743 2	0	0	0					154	155
NDLU 700013 3	NDLU 200013 3	LDLU 000013 3	LDLU 000013 3		0	0	0		1			158	158
MAEU 695576 1	MAEU 695576 1	MAEU 695576 1	MAEU 695576 1	MAEU 695576 1	1	0	1					159	160
TOLU 205364 0	TOLU 205364 0	TOLU 205364 0	TOLU 205364 0	TOLU 205364 0	1	1	1					162	164
TRIU 597039 2	TRIU 597039 2	TRIU 597039 2	TRIU 597039 2	TRIU 597039 2	1	0	1					167	169
GATU 406344 9	GATU 406344 9	GATU 406344 9	GATU 406344 9	GATU 406344 2	1	1	0					172	174

AEI/OCR System Integration



Acceptance Tests Form

MOVE 228

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2							
2001-09-03	03:06:08	228	00:04:44	212	211	Code ID - C1	Code ID - C2	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match					
TRLU 410245 6	TRLU 410245 6	TRLU 410245 6	IWLU 410245 6	TRLU 410245 6	1	0	1				172	174
TOLU 228034 5	TOLU 228034 5	TOLU 228034 5	TOLU 228034 5	TOLU 228034 5	1	1	1				175	177
GATU 404410 9	GATU 404410 9	GATU 404410 9	GATU 404410 9	GATU 404410 9	1	1	1				175	177
MAEU 713104 ?	MAEU 713104 1	MAEU 713104 1	MAEU 713104 1	MAEU 713104 1	1	0	1	1			179	181
MSKU 602785 3	MSKU 602785 3	MSKU 602785 3	ASKU 602785 3	ISKU 602785 3	1	0	0				179	181
UXKU 420847 5	UXKU 420847 5	UXKU 420847 5	BOOU 514310 %	UXKU 420847 5	1	0	1	1			182	184
MAEU 726340 7	MAEU 726340 7	MAGU 726346 7	MAIU 776346 7	MAEU 726346 7	0	0	0	1			182	184
SEAU 815059 3	SEAU 815059 3	SEAU 815059 3	@SAU 815069 3	SEAU 815059 3	1	0	1				186	188
MAEU 617191 8	MAEU 617191 8	MAEU 617191 8	MAEU 617191 8	MAEU 617191 8	1	1	0				186	188
MAEU 628574 1	MAEU 628574 1	MAEU 628574 1	MAEU 628574 1	MAEU 628574 1	1	1	1				190	192
MSKU 612461 6	MSKU 612461 6	MSKU 612461 6	MSKU 612461 6	MSKU 612461 6	1	1	1				190	192
MAEU 737742 0	MAEU 737742 0	MAEU 737742 0	MAEU 737742 0	MAEU 737742 0	1	1	0				194	197
??IU 45271? ?	TRIU 452718 4	TRIU 452718 ?	TRIU 452718 ?	TRIU 452718 ?	0	0	0	1			194	197
GATU 421472 0	GATU 421472 0	GATU 421472 0	GATU 421472 0	GATU 421472 0	1	1	1				199	201
SEAU 821585 8	SEAU 821585 8	SEAU 821585 8	SIAU 821585 8	SEAU 821585 8	1	0	1				199	201
CLHU 414401 3	CLHU 414401 3	CLHU 414401 0	CLHU 414401 0	SEAU 821585 8	0	0	0				203	205
MAEU 73302? ?	MAEU 733025 5	MA?U 7?30?? ?	MAEU 713025 %	MAIU 733084 %	0	0	0	1			203	205
MAEU 626811 1	MAEU 626811 1	MAEU 626811 1	MAEU 626811 1	MAEU 626811 1	1	1	1				207	209
MAEU 610830 3	MAEU 610830 3	MAEU 610830 3	MAEU 610830 1	MAEU 610830 3	1	0	0				207	209

Nb. of containers : 83
 Match Code ID : 60
 Match Code ID C1 : 37
 Match Code ID C2 : 42
 Nb. Of Invalid C1 : 16
 Nb. Of Invalid C2 : 6
 Nb. Of Invalid : 4

Perfect match code : 25

	C1	C2	PoM
Accuracy :	55.224%	54.545%	75.949%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 239

DATE 2001-09-05 MOVE TIME 02:25:53 MOVE 239 TIME TAKEN 00:02:38 IMAGES C1 87 IMAGES C2 87

Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invalid	# Image	# Image
CCRU 194871 9	CCRU 194871 9				0	0	0				12	11
CCRU 164523 0	CCRU 164523 0				0	0	0				15	14
CCRU 194859 7	CCRU 194859 7	CCRU 194859 7		CCRU 194859 7	1	0	1				16	15
TTNU 9639?? ?	TTNU 9639?? ?				0	0	0				23	21
TEXU 412908 4	TEXU 412908 4	TEXU 412908 4	IOPU 326861 %	TEXU 412908 4	1	0	1	1	1	1	27	25
TOLU 370615 ?	TOLU 370615 ?	TOLU 370615 8	TOLU 370615 9	TOLU 370615 0	0	0	0	1	1	1	31	28
KNLU 331521 3	KNLU 331521 3				0	0	0				33	32
GATU 057415 8	GATU 057415 8				0	0	0				34	33
MSKU 235340 3	MSKU 235340 3				0	0	0				38	37
TRIU 377978 8	TRIU 377978 8				0	0	0				39	38
HLXU 237326 3	HLXU 237326 3				0	0	0				63	62
HLCU 201032 3	HLCU 201032 3				0	0	0				64	63
HLCU 220655 3	HLCU 220655 3	HLCU 220655 ?		HLCU 220655 %	0	0	0				68	67
HLXU 219706 1	HLXU 219706 1				0	0	0				85	84

Nb. of containers : 14 Match Code ID : 2 Nb. Of Invalid C1 : 2
 Match Code ID C1 : 0 Match Code ID C2 : 2 Nb. Of Invalid C2 : 2
 Match Code ID C2 : 2 Nb. Of Invalid : 2

Perfect match code : 0

	C1	C2	PoM
Accuracy :	0.000%	16.667%	16.667%

AEI/OCR System Integration



Acceptance Tests Form

MOVE 240

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2							
2001-09-05	02:58:06	240	00:02:32	100	106	Code ID - C1	Code ID - C2	Invalid C1	Invalid C2	Invalid	# Image C1	# Image C2
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match					
GATU 030502 0	GATU 030502 0				0	0	0				22	23
TOLU 374283 3	?OLU 374283 3				0	0	0				22	24
TRIU 383?76 2	TRIU 383746 ?				0	0	0	1	1	1	23	24
POCU 031498 1	POCU 031498 1				0	0	0				26	27
MAEU 537901 8	MAEU 537901 8				0	0	0				26	28
SNIU 123778 0	SNIU 123778 0				0	0	0				28	28
CRXU 214632 7	CRXU 214632 7	CRXU 214632 7	CRXU 214632 7	CRXU 214632 7	1	1	1				31	32
POCU 113882 4	POCU 113882 4	POCU 4201?? ?		POCU 4201%% %	0	0	0				31	33
GATU 007366 5	GATU 007366 5	GATU 007366 5	GATU 007366 5	GATU 0073+6 5	1	1	0				33	33
EACU 418182 4	EACU 418182 4	EACU 418182 4	EACU 418182 4	EACU 418182 4	1	1	0				36	37
CRXU 216187 2	CRXU 216187 2	CRXU 216187 2	CRXU 216188 %	CRXU 216187 2	1	0	1				37	38
MAEU 764263 2	MAEU 764263 2	MAEU 764263 2	MAEU 764263 2	MAEU 764263 2	1	1	1				41	41
MCAU 855873 4	MCAU 855873 4	MCAU 855873 4	MCAU 855873 4	MCAU 855873 4	1	0	1				41	43
GLDU 208348 0	GLDU 208348 0	GLDU 208348 0	GLDU 208348 0	GLOU 208348 0	1	1	0				42	43
PONU 741913 9	PONU 741913 9				0	0	0				51	53
???? ????? ?	CNGU 000862 ?	INIU 000852 ?		INIU 000852 %	0	0	0	1	1	1	62	64
CNGU 000849 ?	CNGU 000849 ?	SLLU 112556 ?	SLLU 112556 %	CIGU 323+45 3	0	0	0	1	1	1	71	73
CNGU 000858 ?	???? ????? ?	CGIU ???085 8	CGIU ???085 8		0	0	0	1	1	1	81	83
HLXU 449408 0	HLXU 449408 0	HLXU 449408 0	HLXU 449408 0	HLXU 449408 0	1	1	1				86	88
HLXU 600589 2	HLXU 6?0589 2	HLXU 600589 2	HLXU 600589 2	HLXU 690580 2	1	1	0		1		86	88
	HLXU 442641 8	HLXU 442839 6	HLXU 442839 6	HLXU 442839 6	0	0	0	1			93	93
	HLXU 442641 8	HLXU 442641 8	HLXU 442641 8	HLXU 442641 8	1	0	1				93	93
UXXU 220763 3	UXXU 220763 3	UXXU 220763 3	UXXU 220763 3	UXXU 220763 3	1	1	1				90	97
CACU 100088 0	CACU 100088 0	CACU 100088 0	CACU 100088 0	CACU 100088 0	1	1	1				92	98
IVLU 951929 2	IVLU 951929 2				0	0	0				95	102
CSOU 317331 4	CSOU 317331 4				0	0	0				97	103

Nb. of containers : 26 Match Code ID : 12 Nb. Of Invalid C1 : 6
 Match Code ID C1 : 9 Nb. Of Invalid C2 : 6
 Match Code ID C2 : 8 Nb. Of Invalid : 4

Perfect match code : 5

	C1	C2	PoM
Accuracy :	45.000%	40.000%	54.545%

AEI/OCR System Integration



Acceptance Tests Form
MOVE 241

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2							
2001-09-05	05:07:02	241	00:07:01	383	386							
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1 Match	Code ID - C2 Match	Invalid C1	Invalid C2	Invald	# Image C1	# Image C2
MAEU 787834 0	MAEU 787834 0	MAEU 787834 0	MAEU 787834 0	MAEU 787834 0	MAEU 787834 1	1	1	0			13	12
???? ???? ? ?	GSTU 475712 7	IJIU 451?41 ?	IJIU 451+41 %			0	0	0	1		15	14
TPHU 500158 2	TPHU 500158 2					0	0	0			15	12
?M?? ?2???4 ?	CMBU 234640 0	GMAU 066444 4	GMAU 066444 4	GGGU 23640 %	%	0	0	0	1		19	18
???? ????? ? ?	C??U 233?94 9					0	0	0	1	1	20	19
TGHU 727676 5	TGHU 727676 5	TGHU 727676 5		TGHU 727676 5		1	0	1			20	18
GLDU 213655 3	GLDU 213655 3	GLDU 213655 3	GLOU 213655 3	GLDU 213655 3		1	0	1			24	23
MAEU 671494 9	MAEU 671494 9	MAEU 671494 9	MAEU 671494 9			1	1	0			26	24
APMU 804236 1	APMU 804236 1					0	0	0			26	23
MAEU 789362 2	MAEU 789362 2	MAEU 789362 2	MAEU 789362 2	MAEU 789362 2		1	1	1			30	29
SEAU 211086 5	SEAU 211086 5	SEAU 211086 5	SEAU 211086 5	STAU 0865%% %	SEAU 211086 5	1	0	1			31	30
MAEU 823027 0	MAEU 823027 0					0	0	0			31	29
CRXU 272253 0	CRXU 272253 0	CRXU 272253 0	CRXU 272253 0	CRXU 272253 0		1	1	1			34	33
MAEU 670596 8	MAEU 670596 8	MAEU 670596 8	MAEU 670596 8	MAEU 670596 8		1	1	1			35	35
SEAU 843689 0	SEAU 843689 0	SEAU 6890?? ?		SEAU 6890%% %	%	0	0	0			35	33
IEAU 213299 4	IEAU 213299 4					0	0	0			39	38
SEAU 224627 6	SEAU 224627 ?					0	0	0			40	39
MSKU 8115?2 4	MSKU 811582 4					0	0	0	1	1	40	38
CLHU 207668 7	CLHU 207668 7	CLHU 207668 7	CLHU 207668 7	CLHU 207668 7		1	1	1			44	43
MLCU 240726 2	MLCU 240726 2	?LCU 240728 2		@LCU 240728 2		1	0	1			45	44
MAEU 603745 2	MAEU 6037?5 2					0	0	0		1	45	43
SEAU 230460 2	SEAU 230460 2	SEAU 230460 2	SLAU 230460 %	SEAU 230460 2		1	0	1			48	47
TRIU 375917 0	TRIU 375917 0	TRIU 375917 0	TRIU 375917 0			1	1	0			49	49
MAEU 705766 4	MAEU 7057?6 4			OAYU 47?957 ?	%	0	0	0		1	49	47
TTNU 971006 4	TTNU 971006 4	TTNU 971006 4	TTMU 971006 4	TTNU 971006 %	%	1	0	0			55	52
DAYU 421957 2	DAYU 421957 ?					0	0	0		1	55	52
TRLU 182430 5	TRLU 182430 5	TRLU 182430 5	TRLU 182430 5	TRLU 182430 5		1	1	1			59	57
MWCU 656106 7	MWCU 656106 7	MWCU 656106 7	MWCU 656111 6	MWCU 656106 7		1	0	1			59	57
PONU 473363 4	PONU 473363 4	PONU 473363 4	PONU 473363 6	PONU 473363 4		1	0	1			63	61
CRLU 810133 8	CRLU 810133 8	CILU 810133 8		CILU 810133 8		0	0	0			63	61
PONU 473126 7	PONU 473126 7	PONU 473126 7	PONU 473126 7	PONU 473126 7		1	1	1			67	65
MHHU 562091 7	MHHU 562091 7	MHHU 562091 7		MHHU 562091 7		1	0	1			67	65
POCU 471057 4	POCU 471057 4	POCU 471057 4	POCU 471057 4	POCU 471057 %	%	1	1	0			71	69
MWCU 651078 0	MWCU 651078 0					0	0	0			71	69
CNGU 000897 ?	???? ????? ? ?					0	0	0	1	1	76	73
MWCU 609848 2	MWCU 609848 2	MWCU 609848 2		MWCU 609848 2		1	0	1			79	77
MWCU 614768 0	MWCU 614768 0	U?CU 61?768 0	UUCU 610768 0	UVCU 614768 0		0	0	0			83	81
CRLU 514245 7	CRLU 514245 7	CHLU 514245 7		CHLU 514245 7		0	0	0			83	81
GC?? 77???? 5	?CEU 771791 5					0	0	0	1	1	88	86
GCEU 7716?? 1	GCEU 771644 1					0	0	0	1		88	86
CRLU 810214 4	CRLU 810214 4	CRLU 810214 4	CRLU 810214 4	CRLU 810214 4		1	1	1			93	90
KN?U 472560 ?	KNLU 4725?0 ?	KNLU 472560 8		KNLU 472560 8		0	0	0	1	1	93	90
TTNU 267878 ?	TTNU 2678?? ?	I?NU 267879 ?	I+NU 267879 %			0	0	0	1	1	96	95
SA?U 21?367 ?	?AMU 216367 ?	SAWU 218367 7	SAWU 218367 7			0	0	0	1	1	98	97
MAEU 453670 3	MAEU 453670 3	MAEU 453670 3		MAEU 453670 3		1	0	1			98	95
TRLU 352387 2	TRLU 352387 2	TRLU 352387 2	TRLU 352387 2	TRLU 352387 2		1	1	1			100	99
TTNU 295664 ?	TTNU 29566? ?					0	0	0	1	1	102	101
CLHU 831410 2	CLHU 831410 2	CLHU 831410 2		CLHU 831410 2		1	0	1			102	99
CLHU 249811 ?	CLHU 249811 ?	CL?U 249811 ?	CLHU 249811 ?	CLFU 249811 %	%	0	0	0	1	1	105	104
MLCU 34?776 ?	MLCU 346876 6	MLCU 346876 ?	MLCU 346876 %	SEAU 096%% %	%	0	0	0	1		106	105
SEAU 844940 8	SEAU 844940 8					0	0	0			106	104
CLHU 256802 ?	CLHU 256802 ?	CLHU 256802 8	CLHU 256802 %	CLHU 256802 %	%	0	0	0	1	1	109	108
???? ????? ? ?	GSTU 2321?2 5	MMGU 129710 4		MM@U 129710 4		0	0	0	1	1	110	109
CLHU 831339 0	CLHU 831339 0	CLHU 831339 0		CLHU 831339 0		1	0	1			110	108
GLDU 211323 9	GLDU 211323 9	GLDU 211323 9	GLDU 211323 9	GLDU 211323 3		1	1	0			113	112
TPHU 688941 5	TPHU 688941 5	TPMU 688941 5	TPMU 688941 5			0	0	0			114	113
TTNU 932527 9	TTNU 932527 9					0	0	0			114	112
CLHU 239496 ?	CLHU 239496 ?	CLHU 2394?? ?	CLHU 239494 %	CLHU 2394%% %	%	0	0	0	1	1	118	117
???U ???5?? 4	GSTU 265595 4					0	0	0	1		119	118
MAEU 453457 3	MAEU 453457 3	?IIU 534573 1		*IIU 534573 1		0	0	0			119	117
GLDU 213841 1	GLDU 213841 1	GLDU 213841 1		GLDU 213841 1		1	1	1			123	122
CLHU 257235 ?	CLHU 25723? ?	CLHU 2572?? ?	CLHU 2572%% %			0	0	0	1	1	124	124
TRIU 931586 6	TRIU 931586 6	TRIU 931586 6		TRIU 931586 6		1	0	1			124	122
CRXU 16114? ?	CRXU 16114? ?	CRXU 16114? ?		CRXU 16114%% %	%	0	0	0	1	1	129	128

AEI/OCR System Integration



Acceptance Tests Form MOVE 241

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID -		Invalid		# Image	
2001-09-05	05:07:02	241	00:07:01	383	386	Code ID - C1	Code ID - C2	Invalid C1	Invalid C2	Invalid	Invalid
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	C1 Match	Match	C1	C2	C1	C2
TEHU 823806 7	???? 823806 7	TEHU 823806 2	TEHU 823806 2	MAEU 13204% %	0	0	0	0	1		130
MAEU 832925 8	MAEU 832925 8				0	0	0				129
APMU 282739 9	APMU 282739 9	APMU 282739 9	APMU 282739 9		1	1	0				130
APMU 284963 3	APMU 284963 3	APMU 284963 3	APMU 284963 3		0	1	0				128
TTNU 942414 2	TTNU 942414 2				1	0	0				134
SEAU 221543 9	SEAU 221543 ?	SEAU 221543 9	SEAU 221543 9	SEAU 221543 9	1	1	0		1		133
SEAU 221018 6	SEAU 221018 6	SEAU 221018 6	SIAU 221018 6	SEAU 221018 6	1	0	1				135
SEA? 857188 5	SEAU 857188 5	SEAU 857188 5	SEAU 857188 5	SEAU 857188 5	1	0	1	1			134
MSKU 803730 0	MSKU 803730 0	MSKU 803730 0	MSKU 803730 0	MSKU 803730 0	1	1	1				133
MSKU 811228 1	MSKU 811228 1	MSKU 811228 1	MSKU 811228 1	MSKU 811228 1	0	0	0				138
CLHU 814177 ?	CLHU 814177 ?	?LHU 814177 ?	CLHU 814177 ?	@LHU 814177 %	0	0	0	1	1	1	140
MAEU 820723 9	MAEU 820723 9	MAEU 820721 9	MAEU 820721 9	MAEU 820721 9	0	0	0				138
TEXU 513754 6	TEXU 513754 6	TEXU 513754 6	TEXU 513754 6	TEXU 513754 6	1	1	1				140
MSKU 809177 2	MSKU 809187 2	JBKU 809137 2	JSKU 809137 2		0	0	0		1		139
?STU 281781 8	CSTU 281781 8	EISU 281781 8	EISU 281781 8	EISU 281781 8	0	0	0		1		140
SA?U 215858 0	SAMU 215658 0	?SOU 219580 ?	@SOU 219580 %		0	0	0		1		138
TTNU 991027 3	TTNU 991027 3				0	0	0				143
TTNU 993181 0	TTNU 993181 0	TTNU 993181 0	TTNU 993181 0	TTNU 993181 0	0	0	1				141
MSKU 205438 3	MSKU 205438 3	MSKU 205438 3	MSKU 205438 3		1	1	0				143
MAEU 789013 5	MAEU 789013 5	JAEU 789013 5	JAEU 789013 5		0	0	0				147
MSKU 241594 8	MSKU 241594 8	MSKU 241594 8	MSKU 241594 8	MSKU 241594 8	1	1	1				145
MAEU 677862 4	MAEU 677862 4	MAEU 677862 4	MAEU 677862 4		1	1	0				144
SEAU 864113 3	SEAU 864113 3	SEAU 864113 3	SEAU 864113 3	SEAU 864113 3	1	0	1				141
SAMU 220707 6	SAMU 220707 6	SAMU 220707 6	SAMU 220707 6	SAMU 220707 6	1	0	0				147
MSKU 221463 0	MSKU 221463 0	MSKU 221463 0	MSKU 221463 0	SEAU 468004 4	1	1	1				145
SEAU 468004 4	SEAU 468004 4	SEAU 468004 4	SEAU 468004 4	SEAU 468004 4	1	1	1				148
???? 221463 0	GSTU 762056 7	UVEU 9903?? ?	UVEU 9903?? %	GSTU 662056 7	0	0	0	1	1	1	150
SCMU 2??13? ?	SCMU 200138 9	SCMU 200138 ?			0	0	0				148
TTNU 987693 9	TTNU 987693 9				0	0	0				148
TEXU 239454 0	TEXU 239454 0	TEXU 239454 0	TEXU 239454 0	TEXU 239454 0	1	1	0				153
YMLU 234774 9	YMLU 234774 9	YMLU 234774 9	YMLU 234774 9		1	1	0				152
APMU 801109 9	APMU 8011?9 9	APMU 801109 9	APMU 801109 9		1	1	0		1		152
TOLU 158010 0	TOLU 158010 0	TOLU 530101 1	TOLU 530101 1		0	0	0				154
GLDU 059019 2	GLDU 059019 2	GLDU 059019 2	GLDU 059019 2	GLDU 059019 %	1	1	0				154
SEAU 220240 5	SEAU 220240 5				0	0	0				152
MSKU 238459 6	MSKU 23?459 ?				0	0	0		1		152
TTNU 906105 2	TTNU 906105 2	TTNU 906105 2	TTNU 906105 2		1	1	0				155
CLHU 801762 9	CLHU 801762 9				0	0	0				155
MAEU 450530 1	MAEU 450530 1	MAEU 450530 1	MAEU 450530 1	MAEU 450530 1	1	1	0				158
GLDU 059698 7	GLDU 059698 7	GLDU 059698 ?		GLDU 059698 7	1	0	0				158
APMU 455562 2	APMU 455562 2	APMU 455?? ?		APMU 455?? %	0	0	0				160
???? 451907 5	MAEU 451907 5	MAEU 451907 5		MAEU 451907 5	1	0	1	1			160
MAEU 454664 0	MAEU 454664 0	MAEU 454664 0	MAEU 454664 0		1	1	0				163
MAEU 456229 8	MAEU 456229 8	LWIU 5622?? ?	LWIU 5622?? %		0	0	0				163
SEAU 870278 0	SEAU 870278 0	SEAU 870278 0	SEAU 870278 0		1	1	0				166
APMU 454162 9	APMU 454162 9	APMU 454162 9	APMU 454162 9	AMMU 154162 9	1	1	0				163
SEAU 486998 0	SEAU 486998 0	SEAU 486998 0	SEAU 486998 0	SEAU 486998 0	1	1	1				169
SEAU 482453 7	SEAU 482453 7	SEAU 482453 7	SEAU 482453 7	SEAU 482453 7	1	1	1				168
SEAU 487091 2	SEAU 487091 2	SEAU 487091 2	SEAU 487091 2	SEAU 487091 2	1	1	1				170
MAEU 450321 1	MAEU 450321 1	MAEU 450321 1	MAEU 450321 1	MAEU 450321 1	1	1	1				168
MAEU 455284 9	MAEU 455284 9	MAEU 455284 9	MAEU 455284 9	MAEU 455284 9	1	1	1				174
SEAU 480621 4	SEAU 480621 4	SEAU 480621 4	SEAU 480621 4	SEAU 480621 2	1	1	0				173
SEAU 836122 0	SEAU 836122 0				0	0	0				175
PERU 703174 0	PERU 403174 0				0	0	0		1		173
PONU 075505 0		PO?U ?5???? ?	PONU 075505 0	POCU 055747 2	0	1	0		1		177
???? ?????? ?					0	0	0		1	1	178
SEAU 871203 1		?AIU 732111 1	*AIU 732111 1		0	0	0		1	1	178
	KNLU 324890 1	KNLU 324890 1	KNLU 324890 1	KNLU 324890 1	1	0	1		1		179
	POCU 054975 4	POCU 054975 4	POCU 054975 4	POCU 054975 4	1	1	1				179
	PICU 040135 0	PICU 040135 0	PICU 040135 0	PICU 040135 0	0	0	0		1	1	181
	MSKU 222853 0	MSKU 222853 0	MSKU 222853 0	MSKU 222853 0	1	0	1				185
	PONU 083598 3				1	0	0		1		189
TEXU 736905 2	TEXU 736905 2	TEXU 736905 2	TEXU 736905 2	TEXU 736905 2	1	0	1				192
TTNU 420014 0	TTNU 420014 0	TTNU 200140 ?	TTNU 200140 %		0	0	0				192

AEI/OCR System Integration



Acceptance Tests Form

MOVE 241

DATE	MOVE TIME	MOVE	TIME TAKEN	IMAGES C1	IMAGES C2	Code ID - C1		Code ID - C2		Invalid C1	Invalid C2	# Image C1	# Image C2
2001-09-05	05:07:02	241	00:07:01	383	386	Code ID - C1	Code ID - C2	Match	Match				
Visual Inspection C1	Visual Inspection C2	PoM Consist	Code ID - C1	Code ID - C2	PoM Match	Code ID - C1	Code ID - C2	Match	Match	Invalid C1	Invalid C2	Invalid	Invalid
TRLU 511511 8	TRLU 511511 8	TRLU ?????? ?	TRLU %%% % %	TRLU 511511 8	0	TRLU 511511 8	TRLU 511511 8	0	1			288	289
MAEU 707996 ?	MAEU 8079?6 6	????U 974181 9	@@@U 974181 9	MAEU 81766% %	0	MAEU 81766% %	MAEU 81766% %	0	0	1	1	288	289
SEAU 221451 4	SEAU 221451 4	SEAU 221451 4	SIAU 221451 4	SEAU 221451 4	1	SEAU 221451 4	SEAU 221451 4	0	1			292	294
INBU 301205 1	INBU 301205 1	INBU 301205 1	INBU 301205 1	INBU 301205 1	1	INBU 301205 1	INBU 301205 1	0	1			293	295
PONU 142710 0	PONU 142710 0	PONU 142710 0	PONU 142710 0	PONU 142710 0	1	PONU 142710 0	PONU 142710 0	0	1			293	294
TGHU 731993 3	TGHU 731993 3	TGHU 731993 3	TGHU 731993 3	TGHU 731993 3	1	TGHU 731993 3	TGHU 731993 3	1	1			298	299
?A?U 836314 6	GATU 836314 6	GATU 836314 6	OHVU 836314 6	GATU 83634% %	0	GATU 83634% %	GATU 83634% %	0	0	1		298	299
PONU 085908 0	PONU 085908 0	PONU 085908 0	@ONU 085908 0	PONU 085908 0	1	PONU 085908 0	PONU 085908 0	0	1			302	304
SCMU 201313 7	SCMU 201313 7	SCMU 201313 7	SCMU 201313 7	SCMU 201313 7	1	SCMU 201313 7	SCMU 201313 7	1	0			303	306
C??? ?????? ?	CAXU 407328 8	CAXU 407328 8	CAXU 407328 8	CAXU 407328 8	0	CAXU 407328 8	CAXU 407328 8	0	0	1		303	304
HLXU 220839 8	HLXU 220839 8	HLXU 220839 8	HLXU 220839 8	HLXU 220839 8	1	HLXU 220839 8	HLXU 220839 8	0	1			307	309
HLCU 242998 4	HLCU 242998 4	HLCU 242998 4	HLCU 242998 4	HLCU 242998 4	0	HLCU 242998 4	HLCU 242998 4	0	0			308	311
HLXU 616193 5	HLXU 616193 5	HLXU 316133 5	HLXU 316133 5	HLXU 316133 5	0	HLXU 316133 5	HLXU 316133 5	0	0			308	309
HLXU 476892 0	HLXU 476892 0	HLXU 476892 0	HLXU 476892 0	HLXU 476892 0	1	HLXU 476892 0	HLXU 476892 0	1	1			313	314
HLCU 423778 5	HLCU 423778 5	HLCU 423778 5	HLCU 423778 5	HLCU 423778 5	1	HLCU 423778 5	HLCU 423778 5	0	1			313	314
???? 202262 2	HLCU 202262 2	HLCU 202262 2	LXZU 256212 %	HLCU 202262 2	1	HLCU 202262 2	HLCU 202262 2	0	1	1		317	319
HLXU 205560 0	HLXU 205560 0	HLXU 205560 0	HLXU 205560 6	HLXU 205560 6	0	HLXU 205560 6	HLXU 205560 6	0	0			318	320
HLXU 427726 9	HLXU 427726 9	HLXU 427726 9	ILXU 427726 9	ILXU 427726 9	1	ILXU 427726 9	ILXU 427726 9	0	0			318	319
TTNU 292306 8	TTNU 292306 8	TTNU 292306 8	TTNU 292306 8	TTNU 292306 %	1	TTNU 292306 %	TTNU 292306 %	1	0			322	324
SCMU 204217 7	SCMU 204217 7	SCMU 204217 7	SCMU 204217 7	SCMU 204217 7	1	SCMU 204217 7	SCMU 204217 7	0	0			323	326
GATU 819765 7	GATU 819765 7	GATU 819765 7	GATU 819765 7	GATU 819765 7	1	GATU 819765 7	GATU 819765 7	1	1			323	324
POCU 032388 0	POCU 032388 0	POCU 032388 0	POCU 032388 0	POCU 032388 0	0	POCU 032388 0	POCU 032388 0	0	1			327	329
POCU 052302 4	POCU 052302 4	POCU 052302 4	POCU 052302 4	POCU 052302 4	1	POCU 052302 4	POCU 052302 4	0	0			328	330
MAEU 701277 8	MA?? ?12?? 8	MAEU 701277 8	MAEU 701277 8	MAEU 701277 8	1	MAEU 701277 8	MAEU 701277 8	0	0		1	328	329
GATU 075240 8	GATU 075240 8	GATU 075240 8	GATU 075240 8	GATU 075240 8	1	GATU 075240 8	GATU 075240 8	0	0			332	334
CLHU 228938 4	CLHU 228938 4	CLHU 228938 4	CLFU 228938 4	CLHU 228938 4	1	CLFU 228938 4	CLHU 228938 4	0	1			333	335
MAEU 635059 6	MAEU 635059 6	MAEU 635059 6	MAEU 635059 6	MAEU 635059 6	0	MAEU 635059 6	MAEU 635059 6	0	0			333	334
TTNU 360067 1	TTNU 360067 1	LEMU 360067 1	L+MU 360067 1	TTNU 360067 1	0	L+MU 360067 1	TTNU 360067 1	0	0			336	339
POCU 0??05? ?	POCU 045051 9	POCU 046057 6	POCU 046057 6	POCU 046057 6	0	POCU 046057 6	POCU 046057 6	0	0	1		338	340
TTNU 412443 5	TTNU 412443 5	TTNU 412443 5	TTNU 412443 5	TTNU 412443 5	0	TTNU 412443 5	TTNU 412443 5	0	0			338	339
CAXU 246??3 3	CAXU 246883 ?	GAXU 246883 1	GAXU 246883 1	GAXU 246883 1	0	GAXU 246883 1	GAXU 246883 1	0	0	1	1	341	343
MSKU 238796 0	MSKU 238796 0	MSKU 238796 0	MSKU 238796 0	MSKU 238796 0	1	MSKU 238796 0	MSKU 238796 0	1	1			343	345
TRLU 023283 1	TRLU 023283 1	TRLU 023283 1	TRLU 023283 1	TRLU 023283 1	1	TRLU 023283 1	TRLU 023283 1	0	0			346	348
CCRU 194866 3	CCRU 194866 3	CCRU 194866 3	CCRU 194866 3	CCRU 194866 3	1	CCRU 194866 3	CCRU 194866 3	0	0			347	349
MAEU 775504 8	MAEU 775504 8	MAEU 775504 8	MAEU 775504 8	MAEU 775504 8	1	MAEU 775504 8	MAEU 775504 8	0	0			365	367
?C?U 41?1?? ?	OCLU 41?1?? ?	OCLU 41?1?? ?	OCLU 41?1?? ?	OCLU 41?1?? ?	0	OCLU 41?1?? ?	OCLU 41?1?? ?	0	0	1	1	366	369
NYKU 234625 0	NYKU 234625 0	NYKU 234625 0	NYKU 234625 0	NYKU 234625 0	0	NYKU 234625 0	NYKU 234625 0	0	0			380	382
MSKU 208036 1	MSKU 208036 1	MSKU 208036 1	MSKU 208036 1	MSKU 208036 1	0	MSKU 208036 1	MSKU 208036 1	0	0			381	383

Nb. of containers : 166 Match Code ID : 85 Nb. Of Invalid C1 : 40
 Match Code ID C1 : 56 Nb. Of Invalid C2 : 31
 Match Code ID C2 : 53 Nb. Of Invalid : 20

Perfect match code : 24

	C1	C2	PoM
Accuracy :	44.444%	39.259%	58.219%