Transport Canada – Civil Aviation

Aircraft Certification – Business Integration Model

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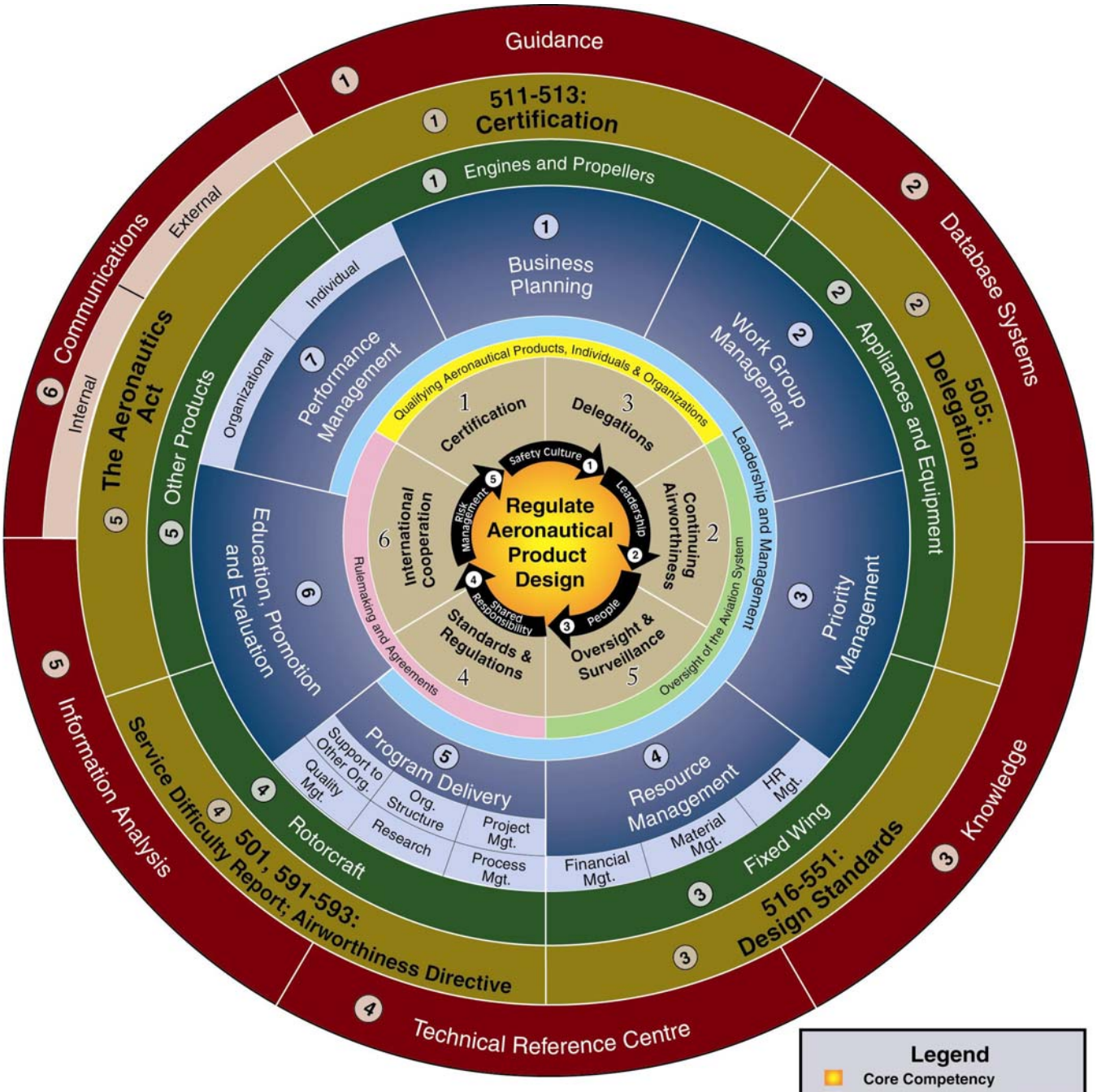
AIRCRAFT CERTIFICATION BUSINESS MODEL



AIRCRAFT CERTIFICATION BUSINESS MODEL: DESCRIPTIONS

Ring Name	Description
Core Competency:	The raison d'être for Aircraft Certification.
Principles of the Organization:	The operating rules of conduct within of Aircraft Certification.
Activity Areas	The priority activities for Aircraft Certification.
Management Processes:	The practices by which Aircraft Certification is managed.
Product Areas:	The types of aeronautical products overseen by Aircraft Certification.
Implementation Areas:	The regulatory structure overseen by Aircraft Certification.
Knowledge Processes:	The methods of managing information in support of Aircraft Certification activities.

Core Competency
Regulate aeronautical product designs.

Principles of the Organization	
Organizational Principles	**Description**
1. Safety Culture	Aircraft Certification promotes a value system founded on the safety of aeronautical product designs.
2. Leadership	Aircraft Certification provides national leadership for all matters relating to the certification of aeronautical products in Canada.
3. People	Aircraft Certification delivers its services through its cadre of committed staff and delegates.
4. Shared Responsibility	Aircraft Certification shares the responsibility for the safety of Canadian aeronautical products designs with industry.
5. Risk management	Aircraft Certification makes decisions based on the risks involved.

Activity Areas	
Activity Area Sub Heading	**Description**
1. Certification	Aircraft Certification certifies the design of Canadian aeronautical products and foreign certification activities on behalf of the Minister of Transport.
2. Continuing Airworthiness	Aircraft Certification takes the corrective actions necessary to resolve in-service aircraft airworthiness issues.
3. Delegations	Aircraft Certification Manages the ministerial delegation of authority to organizations and individuals in the aerospace industry.
4. Standards and Regulations	Aircraft Certification issues standards and regulations in support of Transport Canada Civil Aviation legislation.
5. Oversight and Surveillance	Aircraft Certification exercises due diligence on behalf of the Canadian public by overseeing and inspecting key design aspects of the aerospace industry.
6. International Cooperation	Aircraft Certification sustains collaborative work relationships with foreign authorities and international agencies.
Management Processes	
Management Process	**Description**
1. Business Planning	Aircraft Certification sets strategic direction through an annual business planning process.
2. Work Group Management	Aircraft Certification assigns work groups to deal with specific government-industry activity, e.g. process improvements.
3. Priority Management	Aircraft Certification manages activity areas and initiatives arising from its Business Plan and daily operations.
4. Resource Management	Aircraft Certification manages its business practices in support of its activity areas, i.e. financial management cost and fee recovery, material management and human resources management, including ongoing staffing and the annual training and development.
5. Program delivery	Aircraft Certification manages its delivery through its organizational structure, project management, process management, quality management, research and support to other organizations.

6. Education and Promotion	Aircraft Certification educates and provides training for stakeholders in safety management systems, and promotes design safety throughout the aerospace industry.
7. Performance Management	Aircraft Certification solicits and provides feedback on organizational and individual performance.

Product Areas	
Product Area	**Description**
1. Engines and Propellers	Aircraft Certification segments the aeronautical industry in terms of key types to oversee.
2. Appliances and Equipment	
3. Fixed Wing	
4. Rotocraft	
5. Other Products	

Implementation Areas	
Implementation Area	**Description**
1. 511-513-Certification	Aircraft Certification fields professionals who oversee specific regulated areas of the aerospace industry.
2. 505: Delegation	
3. 516-551: Design Standards	
4. 591-593: Service Difficulty Reporting: AirWorthiness Directives	
5. The Aeronautics Act	

Knowledge Processes	
Knowledge Process	**Description**
1. Policies, Instructions and Guidance	Aircraft Certification provides knowledge processes in support of internal and external stakeholders implementing regulatory standards.
2. Database Systems	Aircraft Certification uses a number of technological systems to collect, track and make use of information related to its activities.

3. Knowledge	Aircraft Certification acts as the source of knowledge and expertise for issues and practices related to its services across Canada and abroad.
4. Technical Reference Center	Aircraft Certification contributes to a Directorate level library of information.
5. Information Analysis	Aircraft Certification professionals interpret data in order to support the regulatory decision making process.
6. Communications	Aircraft Certification communicates within Transport Canada and externally to other government organizations, industry, and foreign and international agencies.