



S&T and the CF:

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Future Security Environment (FSE)

- The underlying structure of the FSE will be a globally interconnected world where the relationship between domestic, continental and international security will become increasingly integrated.
- States can no longer isolate themselves from developments in distant lands. In this interconnected world, the impact of failing states or, more broadly, regional instability can be felt well beyond their immediate vicinity.

(For Canada, the line is blurring and all but indistinct between domestic, regional and international security responsibilities)



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Operational Trends

- ❖ Closer political-military-coalition integration
- ❖ Operations amongst the people
- ❖ Low casualty operations
- ❖ Timelessness
- ❖ Weapon system adaptation

Joint
Inter-Agency
Multi-national
Public





General Military Insights

- ❖ **Need for precision, including psychological precision**
 - **Increasing role of nonlethal weapons**
- ❖ **Importance of information dominance**
- ❖ **The need for conceptual, doctrinal, and organizational flexibility**
 - **Those who can adapt quickly gain great advantage**
- ❖ **Ability to work effectively with non-military partners**
- ❖ **Organizational change**
 - **Network/hierarchy hybrids**
 - **New career patterns**





S&T in Support of CF Transformation

- Transformation is:
 - Not simply technology
 - Fundamentally an intellectual activity that encompasses doctrine, structure, training, equipment and culture
 - The human is walking point on transformation



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Transformation Themes

- Constant Vigilance
 - The CF will employ its current capabilities and exploit emerging technologies...to conduct surveillance of Canada, its approaches and areas of interest world-wide.
- Leadership and Partnership
 - Within Canada, the CF will assume a greater role in providing national leadership in select areas such as defence against weapons of mass destruction, information fusion and control of air and maritime spaces.
 - The CF will improve on its current capabilities to assume a multinational leadership role in dynamic small-scale international security challenges.





Transformation Themes

- Responsiveness
 - Responsiveness produces relevance. It involves agility, readiness and deployability. Agility refers to the ability to adapt rapidly to fast-moving events, and it includes the speed of decision-making and the conduct of operations.
- Force Effectiveness
 - The essence of future Canadian operations will be the agile, rapid and precise application of capability to deter or resolve an emerging crisis.

All four themes enabled by transformation





Some Thoughts...

- What we need to have...
 - Shared understanding
 - Need for more flexibility and agility...
 - Rapid re-orientation: when projects are no longer relevant – discard and rapidly re-focus
 - Ability to exploit success
 - Tolerance for risk

