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NORAD Maritime Warning Mission



Briefing to Working Group 1 MDA Policy and Laws

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Report Documentation Page

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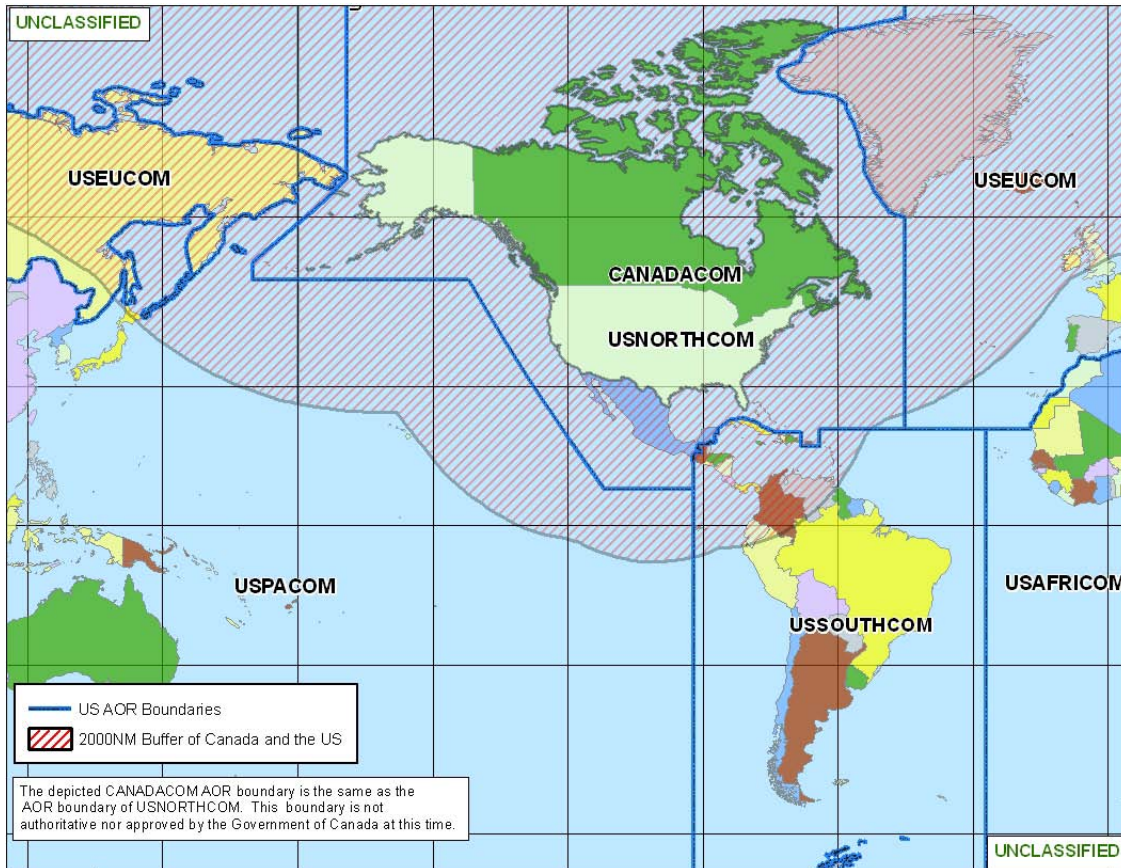


- **Maritime Information Sharing Environment**
- **NORAD Maritime Warning Mission**
- **Risk Management & Decision Making in a Complex Environment**
- **Takeaways/Discussion**



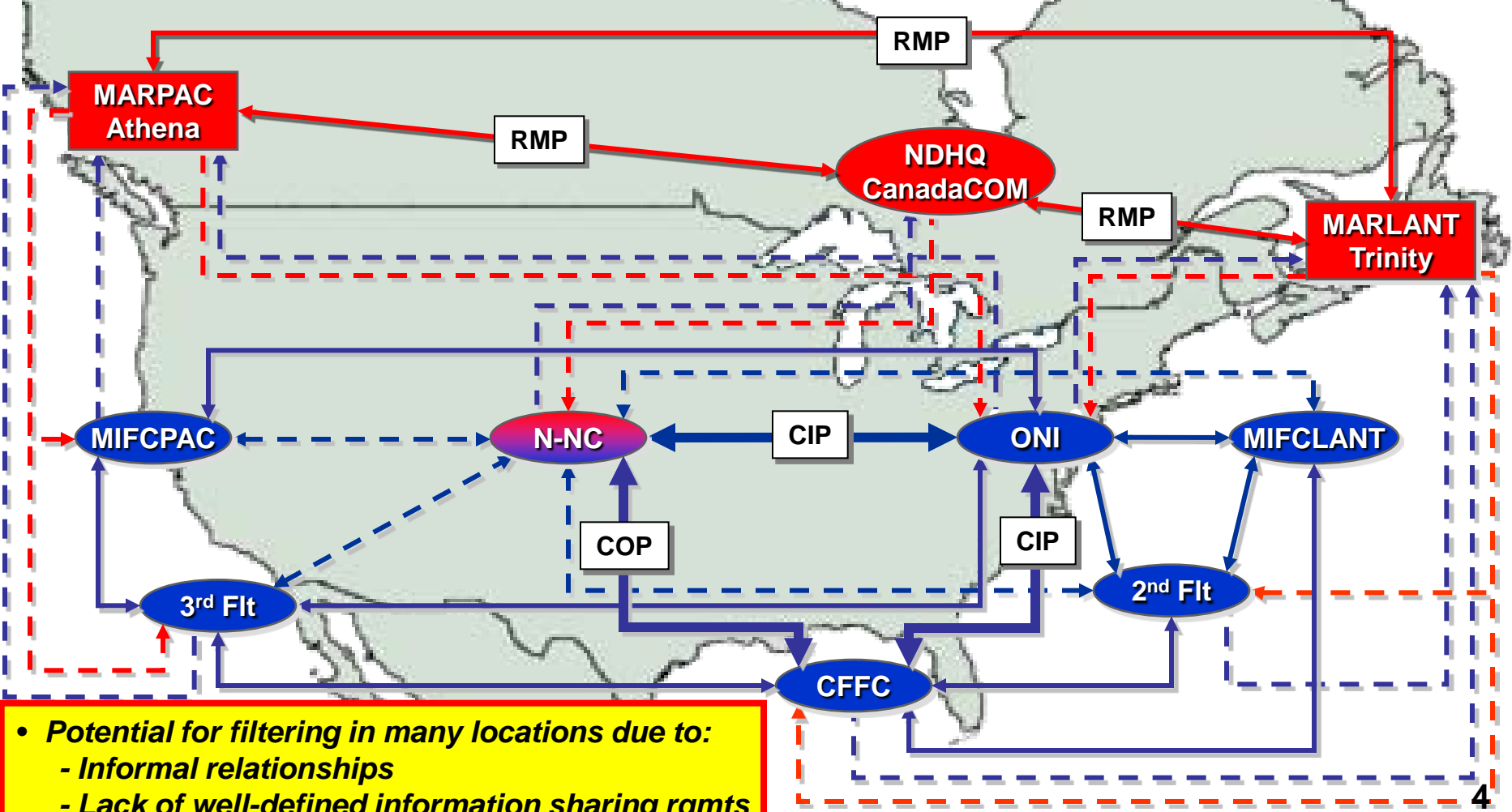
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Maritime Information Sharing Environment



We operate in a complex, inter-dependant, gap-rich environment which affects situational awareness and decision-making ability

Pre-NORAD Maritime Warning Military Information Sharing Environment



• Potential for filtering in many locations due to:

- Informal relationships
- Lack of well-defined information sharing rqmts

2006 NORAD Agreement



Maritime Warning Key Points

Maritime Warning Terms of Reference

Consists of **processing, assessing, and disseminating intelligence and information** related to the respective maritime areas and internal waterways of, and the maritime approaches to, Canada and the United States, and **warning of maritime threats to, or attacks** against North America utilizing mutual support arrangements with other commands and agencies, to **enable identification, validation, and response** by national commands and agencies responsible for maritime defense and security.

Through these tasks NORAD shall **develop a comprehensive shared understanding of maritime activities** to better identify potential maritime threats to North American security.

Maritime surveillance and control shall continue to be exercised by national commands and, as appropriate, coordinated bilaterally.

- **Information sharing process and disseminate intelligence data and operational information**
- **Comprehensive shared understanding of maritime activities to better identify potential threats to North American security**
- **Warning of maritime threats to, or attacks against North America**

To enable national-level

**Identification
Validation
Response**



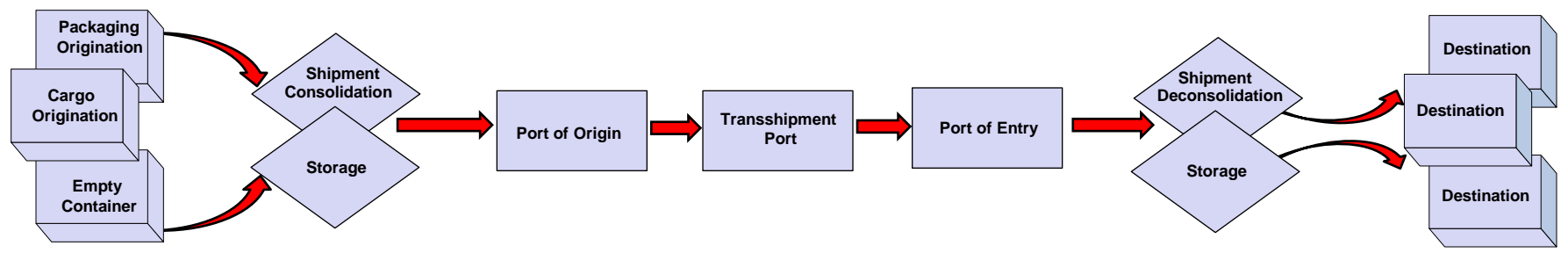
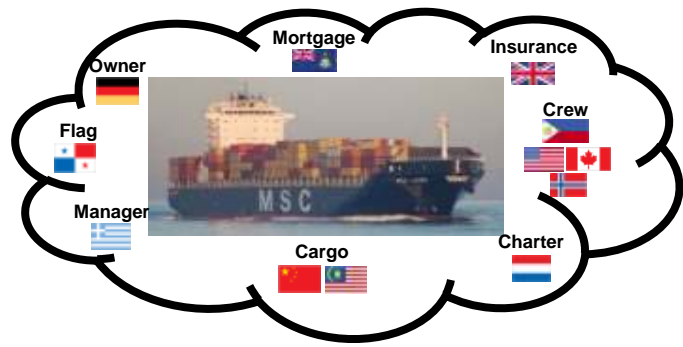
Global Challenges to Maritime Security & Defence

- Terrorism
- Organized crime
- Piracy
- Drug trafficking
- Human trafficking and slavery
- Illegal weapons movement/proliferation
- Foreign Intelligence Collection
- Exclusive Economic Zone (resource) exploitation
- Illegal fishing
- Trade disruption
- Illegal migration
- Environmental degradation
- Hostile Naval Activity

REALIZING that a shared understanding and awareness of the activities conducted in their respective maritime approaches, maritime areas and inland waterways, including the capacity to identify vessels of potential interest, are critical to their ability to monitor, control, and respond to threats so that their shared security is ensured...

RECOGNIZING that the non-military maritime activities associated with drug trafficking and other illegal transnational activities are a threat to their national security...

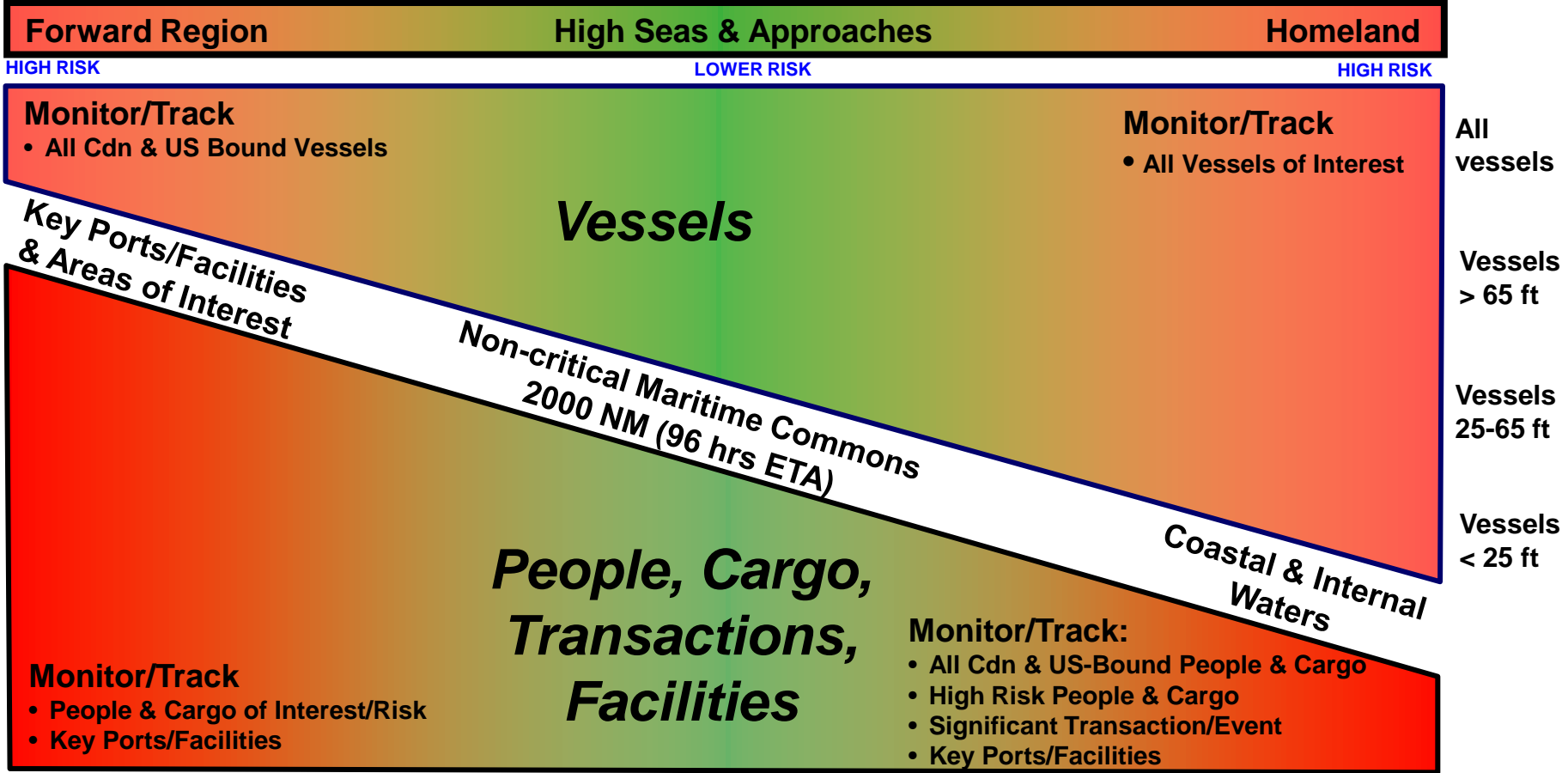
Connecting Information Across Multiple Agencies And Jurisdictions While Respecting The Law



How do we ensure that information is shared in a timely fashion so that if military assistance is requested, time and space has not been lost, military options remain viable, the interdiction occurs a safe distance off the coast, and laws have not been broken?



Developing a Comprehensive Shared Understanding



Time, space, the environment, the nature of the threat, and the readiness and location of friendly forces will determine the latest time that response decisions must be made

Shaping Good & Timely Decisions



Awareness

Global Maritime Domain Awareness Initiatives

Standing Plans

WARNING – NORAD	RESPONSE - CANADA COMMAND/US NORTHERN COMMAND
Information Sharing, Comprehensive Shared Understanding, Issue Maritime Warning	Independent National Response - CANADA COMMAND & NORTHCOM Family of Plans - CANUS Coordinated or Combined Response - CAP, CT-CDP, CDP

Event or Threat



Assess, Plan & Coordinate

Canadian MERP, US MOTR Protocol, various & numerous conferences & planning processes

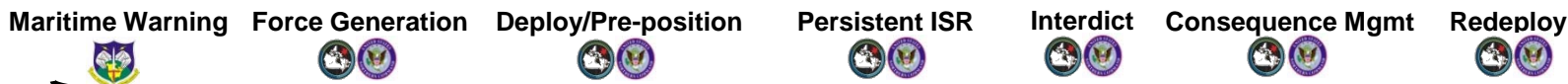
Who Leads?
Who Supports?



What Plan?
What phase?
Bi-national?
Unilateral?
What Authority?

Sustained Deterrence	Enhanced Deterrence	Decisive Operations			Transition
Shape	Deter	Seize Initiative	Dominate	Stabilize	Enable Civil Authority
Warning	Preparation	Deployment	Employment	Redeployment	

Commander(s)
Decision Points



Comprehensive Shared Understanding

- Common Operating Picture
- Intelligence Collection Plan
- Information Management Plan
- Standard Operating Procedures
- CCIR, PIR, FFIR



NORAD Maritime Warning Today

- **Information Sharing – good and getting better**
 - Cross-border & inter-agency technical, policy, legal and cultural hurdles remain
 - Success remains dependent on personal and organizational relationships
 - The existing Liaison Officer structure is sufficient
 - MOU/MOA are key to enduring & formal information/intelligence sharing

- **Comprehensive Shared Understanding – being operationalized**
 - Turning “data” into “understanding”
 - Data + Processing = Information + Cognition = Knowledge + Judgment = Understanding
 - What decisions are leaders/commanders expected to make?
 - Do leaders/commanders have the authorities required to act?
 - Who is in the lead?
 - Unilateral, Bilateral, Multi-agency response?
 - How are these decisions shaped and when must decisions be made?
 - Whole of government processes (MERP/MOTR)
 - Military operational planning processes (OPP/JOPES)

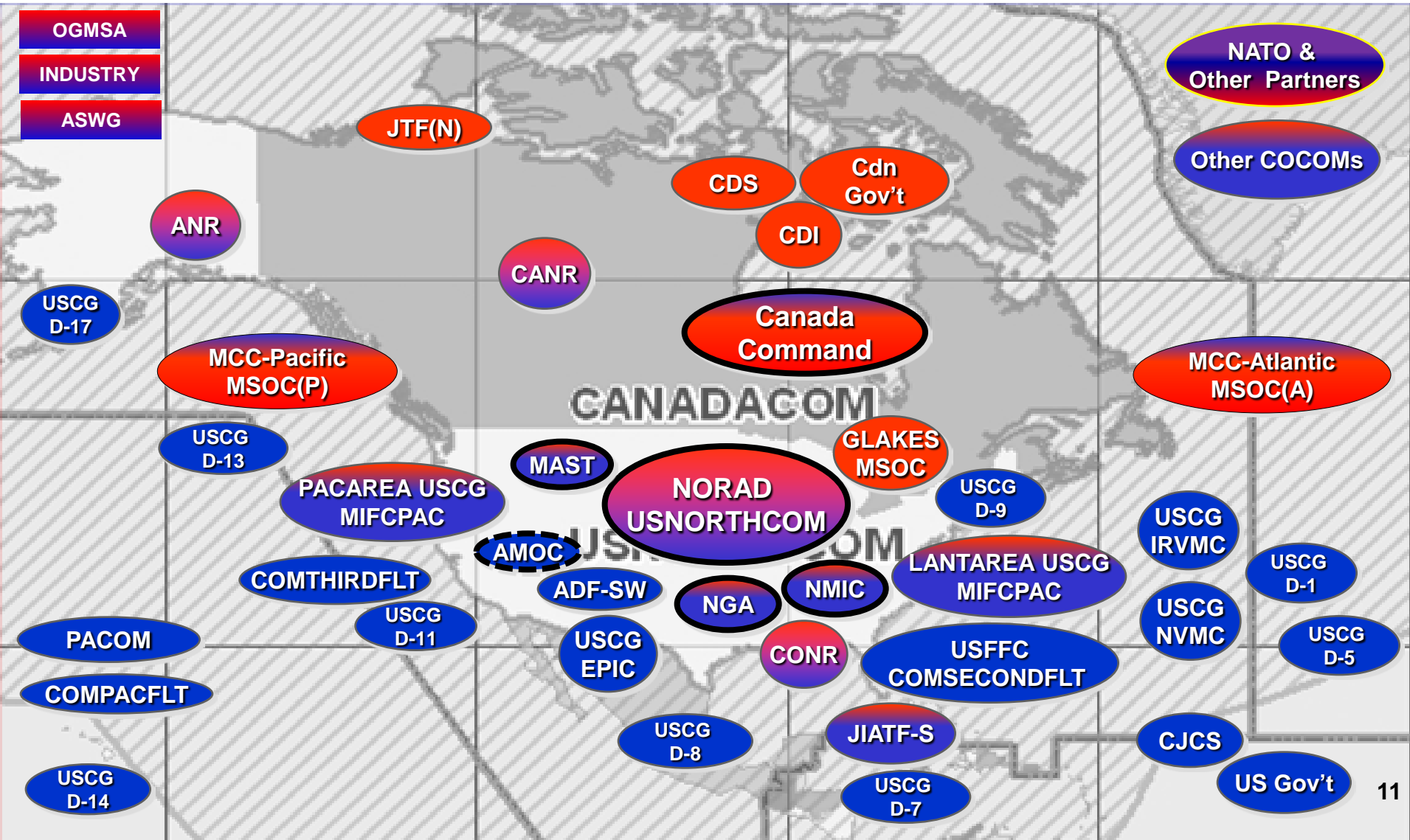
- **Issue Warning to Strategic Leadership – tested & exercised**
 - First test messages released 13 Nov 08 (Ex Vigilant Shield)
 - Exercise Messages released Jun 09 (Ex Ardent Sentry/Frontier Sentinel) & NLE 09
 - Routine Test Messages to be released to confirm procedures and addressees

Current Information Sharing Environment...

And Growing



- OGMSA
- INDUSTRY
- ASWG





Takeaways/Discussion

- **There is no “global synchronizer” for MDA either in Canada or the US.**
 - Should there be national leads?
 - What authorities are required to implement?
- **In the absence of such a synchronizer, how do we mitigate gaps, seams and barriers?**
 - NORAD is tackling some of this, but how do we coordinate with broader community of interest?
- **Strategic Guidance/Direction on information sharing between allies and agencies has been issued, however, there has been little discussion and even less action.**
 - How do we shape change?
 - How do we mitigate risk (LES, NOFORN, SIPR access etc)?
 - Need to define the “box” of what can be shared and when.
- **Will we have to wait for a Mumbai Attack or Maritime 9/11 to drive change?**

