

Defense Spectrum Organization Initiatives

Session II: Current Initiatives to Facilitate Federal Spectrum Sharing

This briefing is **UNCLASSIFIED**

Howard McDonald
Chief, Systems and Technology Branch
Defense Spectrum Organization
25 July 2012

Disclaimer

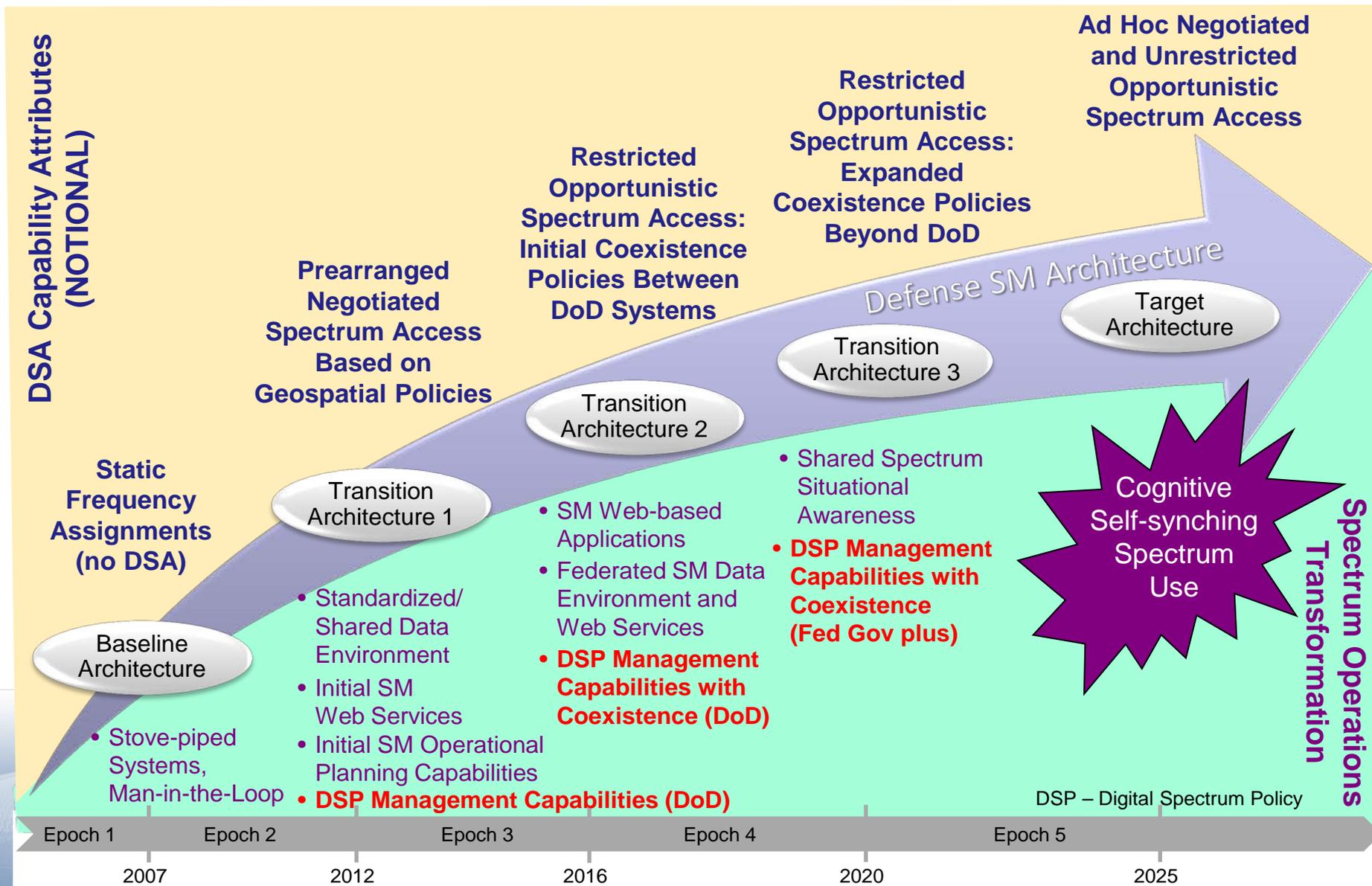
The information provided in this briefing is for general information purposes only. It does not constitute a commitment on behalf of the United States Government to provide any of the capabilities, systems or equipment presented and in no way obligates the United States Government to enter into any future agreements with regard to the same. The information may not be posted on a web site or disseminated without the express consent of the United States Government.



DSO Initiatives Related to Federal Spectrum Sharing

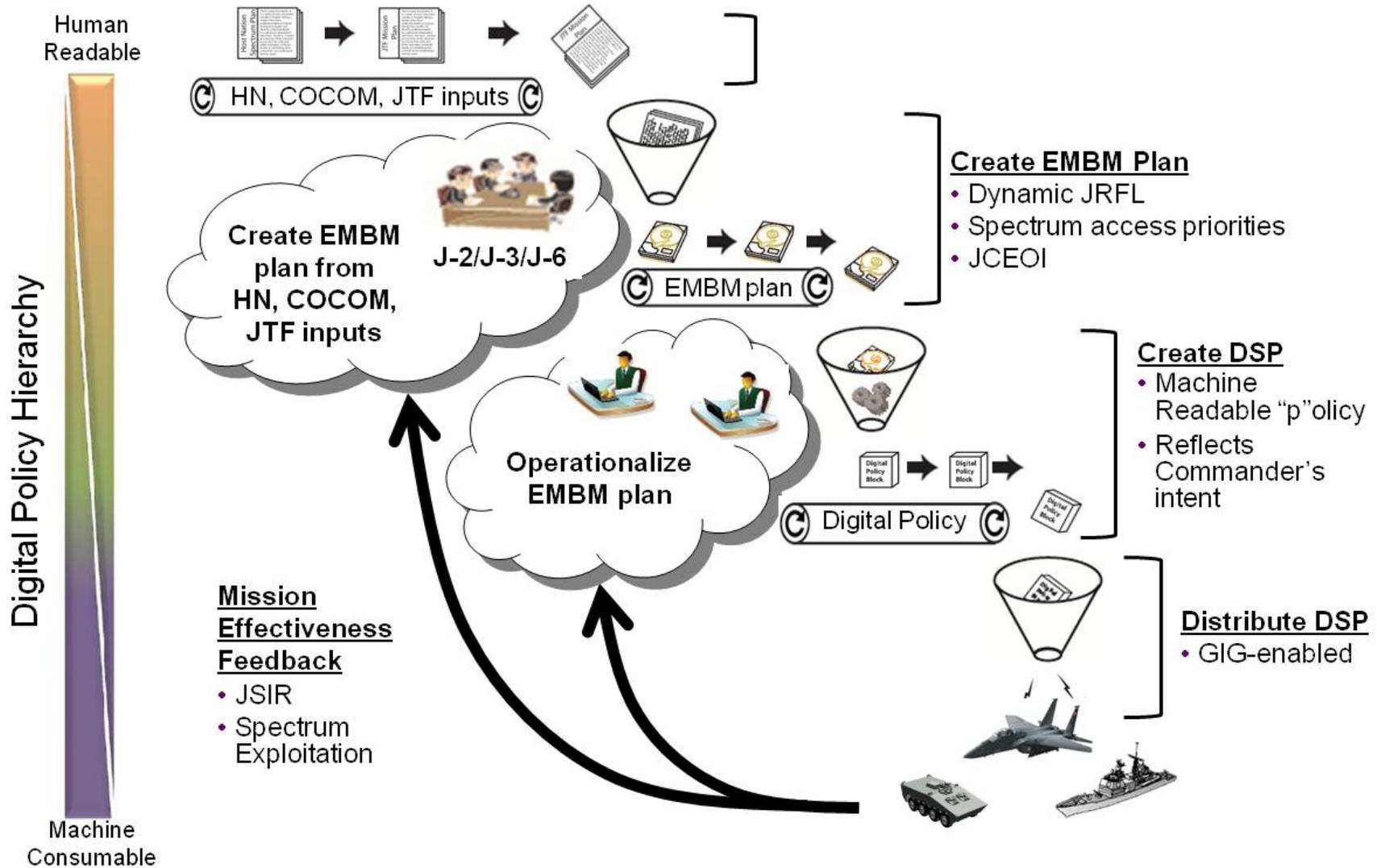
- Standard Spectrum Resource Format (SSRF) – an XML-based spectrum data exchange standard
- Spectrum XXI Online
 - Enhanced frequency assignment algorithms
- Joint Spectrum Interference Resolution (JSIR) Online
- Strategic Spectrum Common Operating Picture
- Emerging Spectrum Technology Investigations
- Dynamic Spectrum Access (DSA) / Policy-Based Spectrum Management (PBSM) activities
 - Coexistence Framework
 - Architecture(s) development
 - PBSM-enabled Joint Electromagnetic Spectrum Operations (JEMSO)
 - Standards participation – IEEE P1900.X, TM Forum
 - Security
 - DoD DSA SM Roadmap
- Global Electromagnetic Spectrum Information System (GEMSIS) – DoD's first SM Program of Record

DoD Spectrum Operations Transformation and DSA Capability Attributes



Emerging Vision: JEMSO within a PBSM Paradigm

A Set of End-to-End Processes to Conduct Electromagnetic Battle Management (EMBM)



Acronyms (Slide 4)

COCOM	Combatant Command
DSP	Digital Spectrum Policy
GIG	Global Information Grid
J-2	Joint Staff, Intelligence Directorate
J-3	Joint Staff, Operations Directorate
J-6	Joint Staff, Command, Control, Communications, & Computers/Cyber Directorate
JCEOI	Joint Communications-Electronics Operations Instructions
JRFL	Joint Restricted Frequency List
JTF	Joint Task Force