



# LRC's Material Requirements Planning (MRP) Expansion Plan/Certification Process

Michael O'Donnell  
LRC, LEO LS&S Division



# LRC's MRP Expansion Plan/Certification Process

- **MRP Expansion Plan:**
  - "Re-Deployment" of Supply Chain Planning (SCP) Modules of the Logistics Modernization Program (LMP) to the LRC
- **MRP Certification Process:**
  - Review of metrics that will determine when the Weapon System Directorates are fully capable or certified to use SCP Modules





# MRP Expansion Plan: Objectives

- Redeployment of SCP Modules of LMP to LRC WSDs Demand Planning (DP) and Material Requirements Planning (MRP)
- Use full capability of LMP and eliminate offline Excel work-arounds
  - Why.....
    - Item Managers use Demand Forecast in offline tools that have not been validated in system
    - Unvalidated Demand Forecast pass to MRP and Budget STRAT
      - MRP generates invalid supply actions based on erroneous data
      - Budget STRAT generates invalid budget forecasts
      - Additional workload to correct the Budget STRAT

# MRP Expansion Plan: Objectives

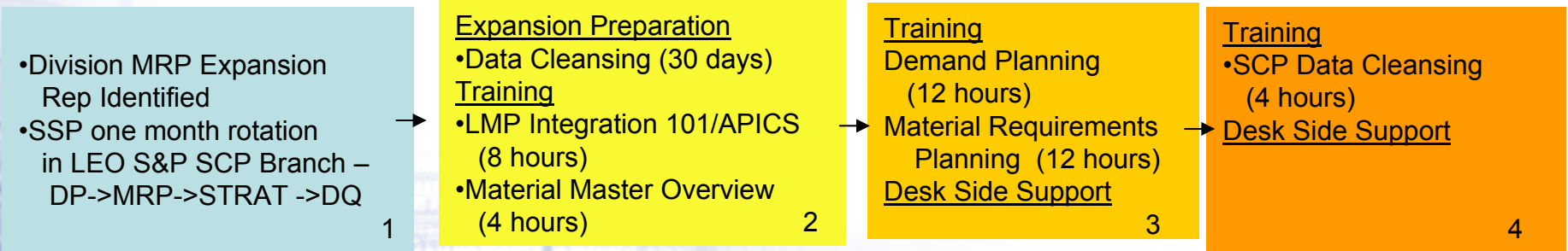


- Roll out of One Weapon System Division per month
- Delivery of Management Courses
- Training started in December 2007 (concluding in Jan 2009)
- Plan Encompasses Multi-Tier Classroom Training and Intensive Data Quality Efforts
- *Item Manager is critical/key player in training plan*

# MRP Expansion Timeline

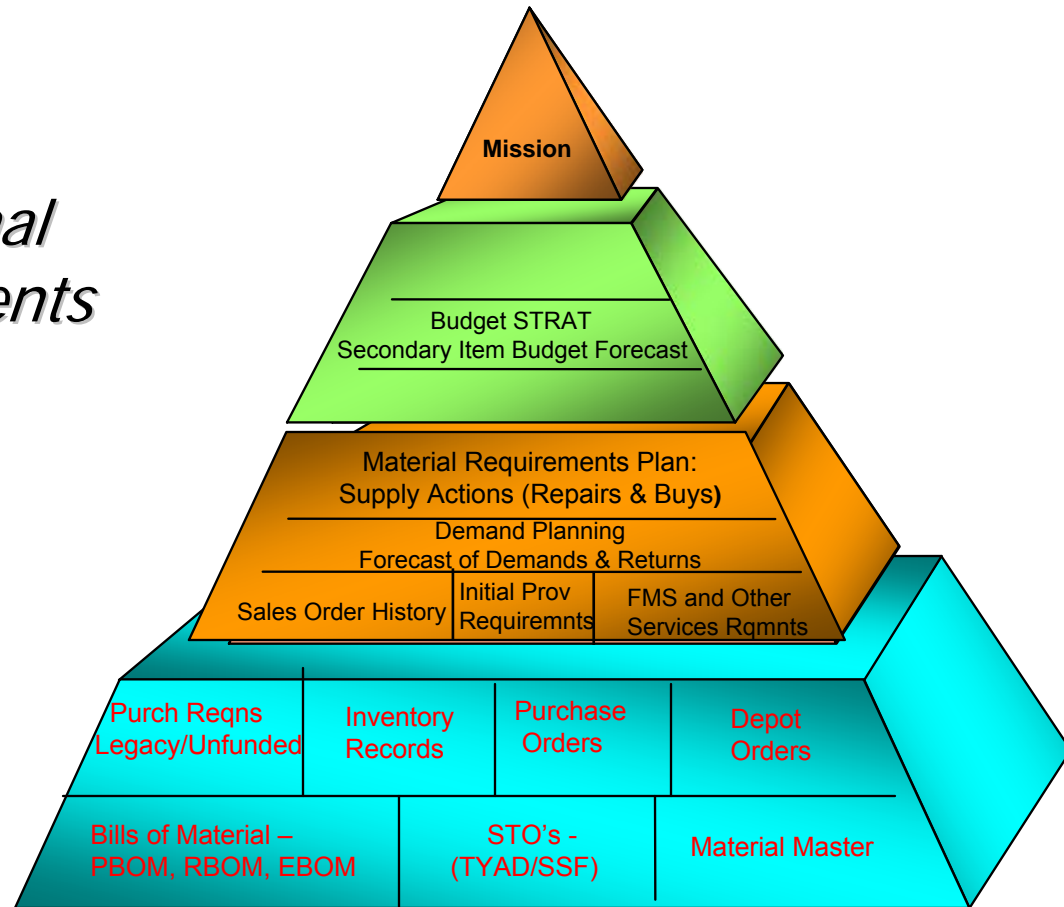


LRC Directorate	Division	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09
COMM	MILSATCOM Tactical	3	4												
	MILSATCOM Strategic	1	2	3	4										
	Tactical Radio		1	2	3	4									
	Comm Systems			1	2	3	4								
CCS/AV	Pwr/Environmtl				1	2	3	4							
	NAVCOM					1	2	3	4						
	Airborne MIsn						1	2	3	4					
	Command/Cntrl							1	2	3	4				
IEWS	Radars								1	2	3	4			
	Night Vision									1	2	3	4		
	Electronic Warfare										1	2	3	4	
CSLA	Division 1											1	2	3	4



# Data Quality's Role

*Overall Operational Performance Elements*



*Data Quality*

*Data Quality Provides the Foundation for Measuring Operational Performance*



# MRP Expansion Plan To Date

- Delivered:
  - 198 Training Sessions
  - 2,165 Hrs of Instruction
  - 2,939 "Seats" of Instruction
- \*\* stats include Management Courses as well as workshops on various SCP topics
- Classroom training concludes end of January 2009 in CSLA (Ft. Huachuca)



# MRP Expansion Plan: Sustainment Mode

- SCP Proficiency Workshops
- Data Quality Efforts
- Develop and Deliver 300 Level Courses
- Make-up Classes from Xpan Plan
- Inputs to the MRP Certification Scorecard

# MRP Certification Process & Scorecard



- Goal: Review of metrics that will determine when the Weapon System Directorates are fully capable or certified to use SCP Modules... when are we "*MRP Ready?*"
- Scorecard developed to review metrics measuring critical areas that are essential for accurate planning and understanding of SCP processes
- Scorecard (key) categories for review include:
  - Data Quality
  - Classroom attendance
  - Item Manager demonstration of understanding SCP concepts and ability to interpret system output
- Scorecard is reviewed on a Quarterly basis



# MRP Certification Scorecard

Directorate	Data	MRP Xpan Class Attendance	LMP Management Class Attendance	SCP Workshops	MAPE	MRP Exception Msgs	SCP Workshop Action Items Completed	Item Review Process
COMM	91.50% ↑	97.25% ↑	40.00% ↓	32.43%	44% ↓	9.7% ↓	91% ↑	TBD

EXAMPLE

# Questions

