











## Lockheed Martin EA Framework

- The LM Enterprise Architecture Framework establishes a common set of EA practices for the corporation
- The common practice of EA facilitates alignment of people, processes, and technology, enables business agility, and acts as a catalyst to derive maximum value from IT investments
- These practices are also used to facilitate reduction of unnecessarily redundant efforts, and create and reuse architectures and their descriptions across the corporation





Relationship between IPMAP Objects and LM EA Objects				
IPMap Object	Symbol	LM EA Equivalent		
Data Source/Data Vendor/Point of Origin Block		Business node		
Processing Block		System action or human action		
Data Storage Block		A System		
Quality/ Evaluation/Check Block	$\bigcirc$	System Action or human action		

IPMap Object	Symbol	LEAF Equivalent
Data Sink/ Consumer/ Point of Destination Block		Business node
Decision Block	$\diamond$	A special type of Processing Block
Information System Boundary	Current/New System Names	Sending and Receiving Business or System Node
Organizational Boundary	Current/New Org. Names	Sending and Receiving Business node

## Relationship between IPMAP Objects and LM EA Objects (Cont.)

IPMap Object	Symbol	LEAF Equivalent
Arrows		Information exchanges
Data Quality Attributes		Attributes in Information Exchange Matrices

## **IPMAP in LM EA Context**

- EA Framework
  - Integrated the IPMAP methods and descriptions into the LM EA Framework
  - Developed a set of criteria for selecting data elements for IPMAP analysis
- Practical application
  - Targeting the IPMAP approach as a "bottom-up" entry point into our LEAF methodology
    - · identify a problematic data element
    - · identify the business processes that create, maintain and use the data element
    - identify the organizations that perform those processes, and the software applications used to automate the processes
    - illuminate a "micro-view" of the enterprise with "laser focus" on specific problematic data elements
    - By completing EA models for those aspects of the enterprise, and integrating with those models created from more of a "top-down" perspective, we ensure that the solutions were compatible with the rest of the enterprise
  - Integrated the IPMAP descriptions into our integrated architecture framework

## Selection Criteria for Targeted Data Elements

- Critical to the Organization
- Recognized Pain Point
- Dollar Impact at or Above Minimum Threshold
- Illustrative Power re IP Mapping
- Illustrative re EA Products
- Practical to Model
- Practical to Implement
- Owner Identified
- Commitment by Collector/ Creator, Custodian, Consumer



