MyParts
Part selection/management

2008 PSMC Conference
MS2 at a Glance

- **Expertise in the Land, Sea, Undersea, Air, Near-Space Domains**

- **Complex Systems Integration**

- **Advanced Technology Sensor Products**

Solving our customer’s most demanding challenges
What is MyParts?

• Engineering part search/selection tool
• Parts list (PL) / bill of material (BOM) editor
• Part pricing analysis tool
• Part/supplier collaboration tool
  – Infrastructure utilizes over 30 servers
• First production release in 2003
  – Many features added as result of user feedback

Continuing to evolve as enterprise tool
Why MyParts?

- Many legacy systems used by engineering
- Aggressive project schedules
- Sites had different set of tools/processes
  - Limited data sharing
- Part proliferation
- Enforce design approval process

Single tool for part selection and management
Engineering part selection

• Program/project requirements
• Program/project approval
• Design requirements
• Component lead times
• CAD library models
• DMS cases
• Problem/engineering change history
• Preferred suppliers
• Sourcing agreements

Many factors affect part selection
Lockheed Martin part universe

Goal is provide engineering with project-approved parts

Example:
- Electronic Systems
- MS2
- MS2 - Moorestown
- AEGIS program
Part search features

- Search context
- Part classification/taxonomy
- Part application (i.e. military, industrial, commercial)
- Part parametrics/attributes
- COTS/3rd party integration

Make it easy for engineering to obtain part information
MyParts benefits

- Central access to engineering part data
- Decreased parts list approval time
- Online parts catalog
- Ability to view part/supplier data across corporation
- Common approach to part selection
  - Reduction in new part requests

Integrated tool for part selection and management