Eurostep presentation @ plmlab AP242 day in Paris

- Eurostep
- Share-A-space in brief
- Complementarity between AP239 and AP242
- Eurostep commitment to AP242 & AP239 harmonization
- Future
World class in:
- Product data technology & standards
- Information sharing across the product lifecycle
- Managing change across heterogeneous systems and organizations
Share-A-space - a Secure Collaboration Hub

- **STANDARD BASED DATA MODEL**
  - Covering the whole lifecycle of products
  - Rich semantic and context

- **CONSOLIDATION**
  - Common coherent product data

- **SECURE COLLABORATION**
  - IPR protection, Export control

- **PUBLICATION**
  - Asynchronous collaboration

- **EVENT NOTIFICATION**
  - Interactive collaboration

- **TASK ORCHESTRATION**
  - Adaptive collaboration

Share-A-space Based on AP203, AP214, AP233, AP239
Communication with a HUB approach

1) Filebased integrations, TDP
2) Web GUI, SharePoint, ...
3) API, plug-ins, ...
4) Integration platforms

In-house engineering systems

Company boundary

Suppliers and partners part of the development process
A simplification of product life cycle activities showing focus / Centre of Gravity of AP233/AP242/AP239. Note: Engineering analysis is not shown and occurs throughout the life cycle in different forms.
### Eurostep Commitment to AP239/AP242 harmonization

<table>
<thead>
<tr>
<th>Work Item</th>
<th>Work Item Name</th>
<th>estimated impact on PLCS</th>
<th>estimated impact on AP242</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Properties</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>2</td>
<td>Physical instances</td>
<td>-</td>
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<tr>
<td>3</td>
<td>Breakdown</td>
<td>-</td>
<td>+</td>
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<tr>
<td>4</td>
<td>Assemblies</td>
<td>++</td>
<td>-</td>
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<tr>
<td>5</td>
<td>Requirements</td>
<td>-</td>
<td>+</td>
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<tr>
<td>6</td>
<td>Specification Control</td>
<td></td>
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<tr>
<td>7</td>
<td>Identification, Classification</td>
<td></td>
<td>++</td>
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<tr>
<td>8</td>
<td>Activity/work order / work request</td>
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<td>+</td>
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<tr>
<td>9</td>
<td>242 Part v 239 Part</td>
<td>+</td>
<td>+</td>
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<tr>
<td>10</td>
<td>Common XSD approach</td>
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</tbody>
</table>

+ minor impact
++ major impact
- very minor impact
ο no impact
Share-A-space AP242 Focus Areas

- Specification, Breakdown & Configuration
  - Product Specification
  - Breakdown
  - Assembly Structure
  - Configuration
  - Part Occurrence

- Individual Part
  - Individual Part

- General Mgmt. Information
  - Person, Org. & Address
  - Date & Time
  - Approval, Contract & Project
  - Identification
  - Classification
  - Multi-Linguism
  - Information Right

- Activity & Work Mgmt.
  - Activity
  - Work Mgmt.
  - Delta Change

- Composites
  - Composite Structural Shape & Structure

- Shape Data Quality
  - Shape Data Q. Criteria
  - Shape Data Q. Inspection

  - Geometric Shape
  - Presentation & Draughting
  - External References

- Kinematics
  - Kinematic Structure & Links
  - Kinematic Motion

- Process Plan
  - Process Plan
  - Mating

- Document Management
  - Document Identification
  - Document Structure & Property

- Rules and Requirements
  - Requirements
  - Planned & Eval. Characteristics

- Characteristic
  - Property
  - Material
  - Shape Association & Structure

- Effectivity
  - Effectivity
Conclusions

- For more than 10 years, Eurostep is deploying standards into production with Share-A-space
- Eurostep is supportive of AP242
- Eurostep is active in harmonization AP239/AP242
- Share-A-space is today based on AP203, AP214, AP233, AP239, so including AP242 is a natural step.
- In addition to AP242, Share-A-space provides configuration management capabilities in the extended enterprise for CAD files in formats like Native, JT, PDF, etc.
- Share-A-space supports the complete lifecycle on product, including also Systems Engineering, Modeling & Simulation, Product Support, ILS, Aftermarket, etc.
- Our experience shows that real uptake of the standards requires security, data consolidation, fit with ESBs, etc.