



S1000D Users Forum 2010

“Application of S1000D within a state-of-the-art Integrated Logistic Support environment”

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Implementation of S1000D in Russia: Lessons Learned

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Lesson 1: S1000D - Modularity Concept

Modular Concept of Technical Publications:

- «Modular thinking»: what is the best way to separate data modules?
- Modular planning: What is the plan for utilizing of data modules?
- Reuse of data modules – the basis for cost and time saving
- Art of the configuration management of documentation: methods and approaches



Lesson 2: Project Centric Approach

- Need to observe the whole project
- Project management of complex cooperation (lots of parties, component producers etc)
- Common business-rules: common schemes and templates, common dictionaries etc.
- Top-down design
- Important role: «DMRL development manager»
- LSA results and reports – main sources for technical publications



Lesson 3: Working Groups Management

Technical publications development management

- Workflow management automation: typical models.
- «Management rut»: task assignment, verification and approvement of results.
- Electronic signature for approvement



Lesson 4: Documentation Customization

Data formats for visualization and transferring:

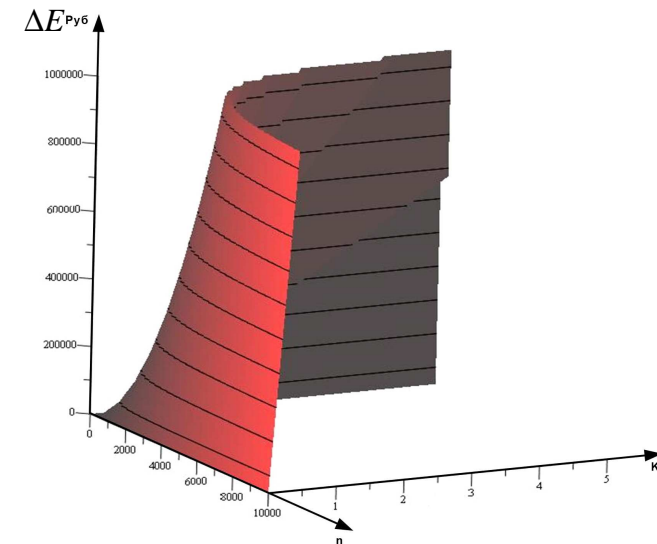
- Documentation transferring in special formats for the following customization (XML)
 - Maintenance plan;
 - Procedural specifics, etc.
- Easy-to-reproduce formats (PDF)
- Optimized formats for change management and future updates (custom CSDB, IETM)



Lesson 5: Economic benefits

- Development of modular documentation – cost and time saving
- Benefits dependencies: number of data modules, product unification ratio, number of product configurations, etc.

Diagram: Effect $dE = E1 - E2$ - publication development cost difference ($E1$ - page-oriented form; $E2$ - electronic form) for family of N products with unification ratio of K depends on number of data modules.





Lesson 6: S1000D Illustrations

- Forming of “illustrations requirement list”
- Specialized data base for illustrations and multimedia data
- Art of reuse of the illustrations:
 - in different projects;
 - with different legends;
 - in different languages.



Lesson 7: Translation

- Use of XML as format for interchange with translation support systems (translation memory etc)
- Hide all documentation decoration issues from translators
- “Right” illustrations don’t need to be translated
- CSDB – common storage area for data modules and illustrations in all languages



Lesson 8: Quality Assurance

- Quality assurance for documentation of head enterprise and all component producers:
 - List of required publications
 - Compliance with DMRL
 - Codification
 - Business rules
 - Dictionaries and templates
- Check for signatures
- Dictionaries:
 - Creation, verification, unification.
 - Special tools for CSDB content analysis



Lesson 9: International Cooperation

- S1000D – “comprehensible language for everyone”
- Typical requirement for state-of-the-art projects – S1000D based technical publications
- Worldwide unification of standards and tools – the right way to effectiveness increase and cost saving of technical publications development and maintenance



***Thank you for your attention!
Questions?***

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