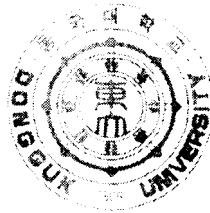


STEP에서의 PLCS 활동



1997. 11. 8

박준영

동국대학교 정보산업학부

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SC4 SCOPE OF WORK

- ISO 10303--Standard for Exchange of Product model data
- ISO 13584--Parts Library
- ISO 14959--Parametrics
- ISO 15531--Manufacturing Management Data
- ISO 15926--Life Cycle Data for Oil & Gas Production Facilities

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Status Update

FIFTH STANDARD ADDED TO SC4

- “Gas/Oil” NWI approved for first three parts
 - remainder of work approved as PWI
- Standard Number: ISO 15926
- Standard Title: *Industrial automation systems and integration: Industrial data: Integration of life-cycle data for oil and gas production facilities:*
- Part Titles:
 - Part 1: **Overview and fundamental principles**
 - Part 2: **Data model**
 - Part 3: **Methodology for creating and maintaining reference data libraries**
- SC4 “Home”: WG3/T19

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SC4 News Brief

CURRENT PWIs in SC4

(as of 1997-10-01)

- Java programming language binding to the Standard Data Access Interface specification
- Application protocol: Building services: Heating, ventilation, and air conditioning
- Abstract test suite: Process planning, manufacture, and assembly of layered electronic products
- Abstract test suite: Building services: Heating, ventilation, and air conditioning
- SC4 Data Architecture
- SGML and Industrial Data
- Amendment 1 to ISO 10303-1: Overview and fundamental principles
- Engineering Analysis AP Planning Project
- Building
- *Integration of life-cycle data for oil and gas production facilities*

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SC4 News Brief

CURRENT PWIs in SC4

(continued)

- EXPRESS-X mapping language
- Extension of capabilities of ISO 10303-21
- **Product life cycle**
- High Level Information Planning Model for Product Life Cycle Support
- Application protocol: Process planning, manufacture, and assembly of layered electronic products
- Electric/Electronic
- Manufacturing process plans
- Process plant
- Design and configuration of manufacturing systems
- Shipbuilding
- Application protocol: Neutral optical data interchange format (NODIF)

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At Atlanta, Georgia in June 1993,

Product Structure + ProductLife Cycle Support

==> **PSLCS**

To establish,

1. The data requirements for the exchange and use of a product's assemblage structure.
2. The data requirements for the exchange and use of a product's life cycle support information.

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Activities of the PSLCS Committee

- Actively supports the CALS and recognizes the potential role of STEP in CALS implementation.
- Completed Part 44
(Product Structure Configuration)
- Working on several work items.

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Active Work Items:

- AP 208 (Life Cycle Product Change Process
 - Includes the identification of a product anomaly, and
- Life Cycle Management
 - Provides the framework for the documentation and exchange of scheduling and status information.

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- Post-Production Product Support Data Element Exchange Application Protocol Suite

- Deals with post-production life cycle stages.

Three Aps within this suites are:

1. Product Procurement;
2. Product Operation;
3. Product Maintenance

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IPO(IGES/PDES Organization) Meeting
1994, April 10-15
St. Paul, MN USA

Agenda:

- For the newcomers...
- Continue editorial work for AP208.
- Establish ownership for the proposed AP:
Product Support-Analysis Record
- Joint meetings with other TCs.

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What has been done in St. Paul?

- CDC review for AP208
- Ownership of a new AP
 - Because of DoD funding issue, the AP proposal advocate did not take the ownership.
- Joint meeting with Configuration Management Interest Group for the IPO

-minutes by Rick Bsharah WG3-T8 Chair

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IPO(IGES/PDES Organization) Meeting 1995, June 25-30 Washington D.C., USA

Agenda:

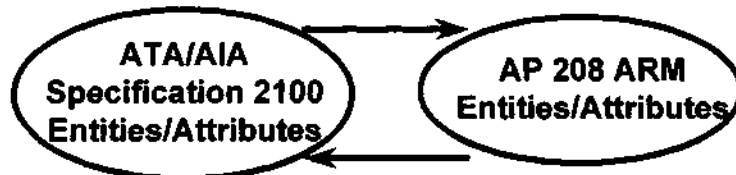
- For the newcomers...
- Report on AP208.
- Joint session with the Air Transport Association/Aerospace Industry Association.
- Conduct workshop addressing the Space Systems AP development efforts.
- Discuss NWI proposal for the Maritime Industry and Logistics Support Analysis Standards harmonization.

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What has been done in Washington D.C.?

- CDC AP208 has been released
-by Chuck Amaral
- Air Transport Association/Aerospace Industry Association
-by Dr. Shiang-Yu Lee or Rick Bsharah



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- Space Systems AP Proposal Project:
The advocate of this project was not able to attend the session
- Maritime Industry Logistics Support Analysis Standards:
Chuck Amaral held several discussions.
- Logistics Support Analysis Standards Harmonization New Work Item Discussions

- Minutes submitted by Rick Bsharah

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**CALS PDE Committee Workshop of
Life-Cycle Support Models
1996, Jan 22-25
Dallas, Texas, USA**

- Initiated and organized by the CALS PDE Committee of the IPO
- Development of information models for Life-Cycle Support is done in the U.S., NATO, and Europe.

(AP203, 208, MIL-STD-2549, ATA 2100, UK MoD DEF-STAN-0060, US DoD MIL-STD-1388-2B)

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**ISO/IPO Joint Meeting
1996, Jan 19-26
Dallas, Texas, USA**

Agenda:

- Status of AP208
- Approve modifications to AP208
- Status of ATA/AIA 2100 Progress
- Introduction of NCALS in Japan
- Joint session with AP226 "Ships Mechanical Systems"

- submitted by Chuck Amaral

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IPO Meeting
1997, Jan 28-31
NIST-Gaithersburg, Maryland, USA

- AP 208 is alive and well.
- Relationship with CALS/PDE group is a positive move.
- NWI for logistics

-submitted by Chuck Amaral, IPO/ISO WG3-T8 Team Leader

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TC184/SC4 WG3 T8
Product Structure and Life Cycle Support
1997, Oct 20-23
Florence, Italy

- Progress Since San Diego
 - Two meetings, plus homework
 - Full participation from-Boeing, POSC/Caesar, NATO USAF, Lockheed, MoD UK, EuroSTEP, PDIT

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- In Florence

- Develop awareness of PLSC across SC4(WG10, Oil&Gas, Shipbuilding, EA and SEDRES)
- Develop awareness of PLSC across SC4(WG10, Oil&Gas, Shipbuilding, EA and SEDRES)
- Explore requirements for core and business areas

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Coclusions

- STEP에서의 PLCS활동
- STEP내에서 CALS와 가장 밀접한 team
- 국내 기업의 적극적인 참여가 필요

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