



Biometric Consortium 2005/09/21

Special Session on Biometrics and Physical Access Control

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Security Industry Association



What we will Review Today

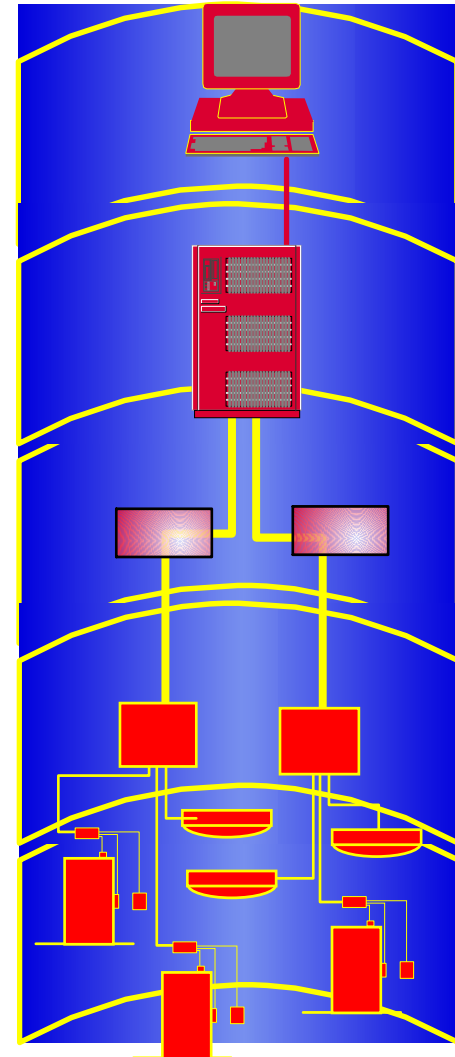
SIA Standards & Technology Program

- OSIPS
 - History
 - Methodology
- Current Standards Activities
 - FIPS 201 and SP 800 considerations
 - Current Draft Standards out for Public Review
- Schedule of Upcoming Meetings
- Questions?

The History - Stove Pipe Solutions

A Stovepipe System ties up the activity of the system from bottom to top.

- It cannot utilize existing infrastructure, requires a dedicated network
- It prevents information exchange at intermediate levels
- It prevents component substitutions from other sources
- It limits innovation and defers product improvements





How Do Standards Affect Stovepipe Solutions?

- Eliminate non-tariff limitations on interaction with the system at standardized levels
- Effective standards must target sites where interoperability makes sense
- Standards enable and enhance product innovation
- Standards enable Enterprise solutions by improving system availability and expanding capabilities



A Solution.....What is OSIPS?

OSIPS

(Open Systems Integration and Performance Standards)

The OSIPS program is the foundation and future of SIA's standards efforts. SIA will produce a series of American National Standards (ANS) in two related areas:

1. Security Systems Integration Standards.

This series of standards will assist in the more flexible and more effective application of security technologies and systems. SIA will identify common integration and communication protocols, submit them to the consensus process, for ANS status and promote their wide acceptance;

2. Security Equipment Performance Metric Standards.

SIA will standardize a series of performance test protocols designed to identify security products' performance under a variety of conditions, to become ANS.



SIA's Approach for OSIPS Standards

1. Utilize A Standard Modeling Language

- Utilizes OMG's Unified Data Modeling Language (UML) Version 2.0, itself an international standard
- www.omg.org

2. Develop Pan-Industry Models and Model Elements

- Develop Industry Wide Message Formats, Schedules, Time Exchange, Authentication, Authorization, Capabilities, ...

3. Provide A Workbook Approach For Working Groups

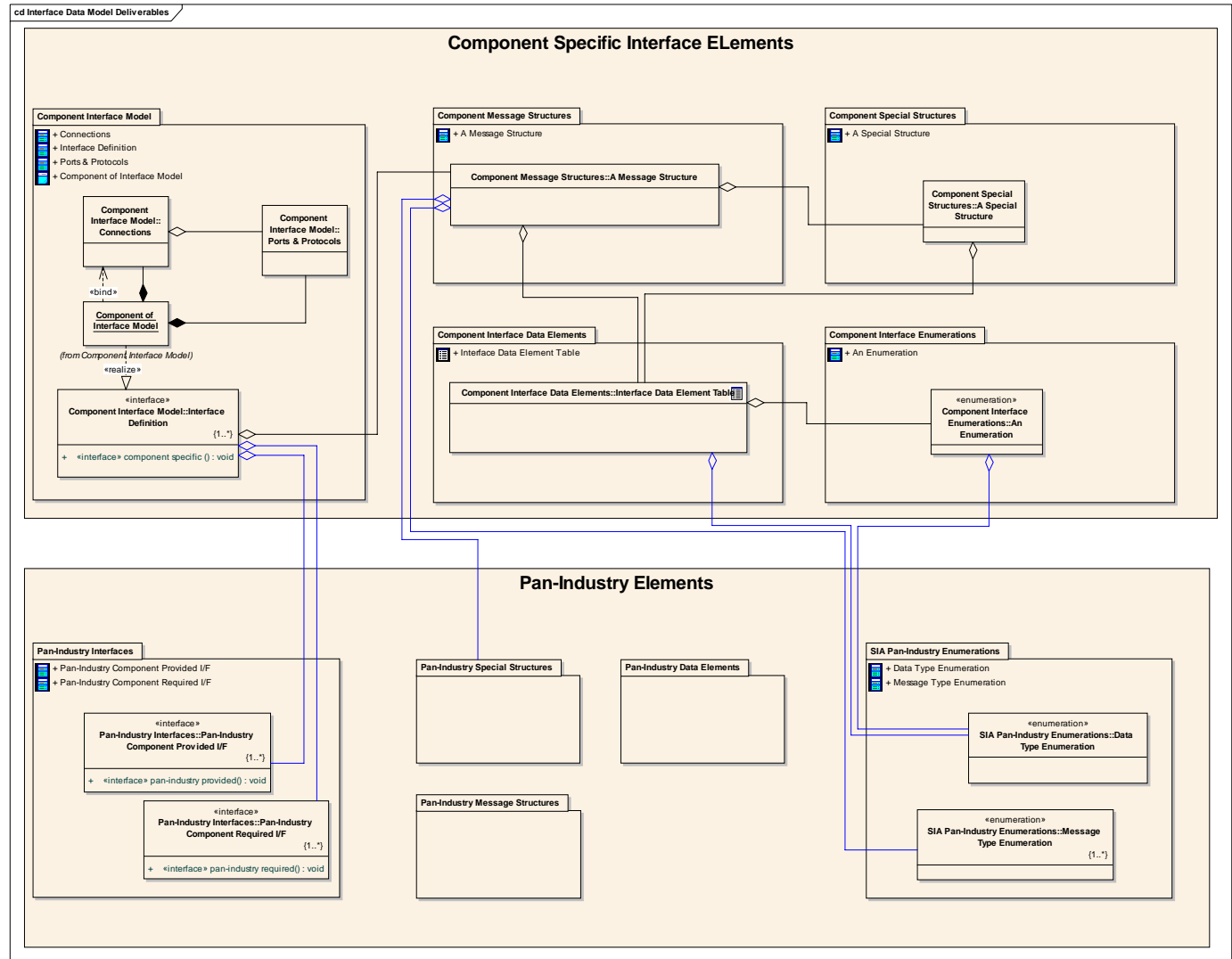
- SIA's Data Modeling Technical Report (DMTR) was published at ISC East Show and Exposition
- DMTR is already in use for Digital Video, Portal Controllers, Access Control, Event Status Reporting



Recent SIA Standards Activities

Data Modeling Ad Hoc

- SIA Standards Data Modeling Methodology Ad Hoc, this working group is pursuing a SIA methodology for utilizing UML to describe product reference models and integration standards.

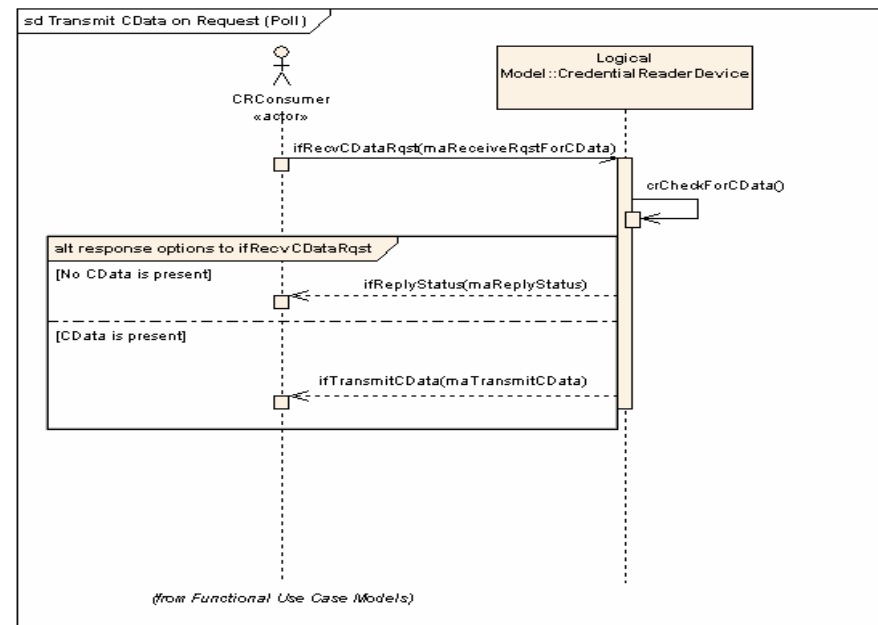
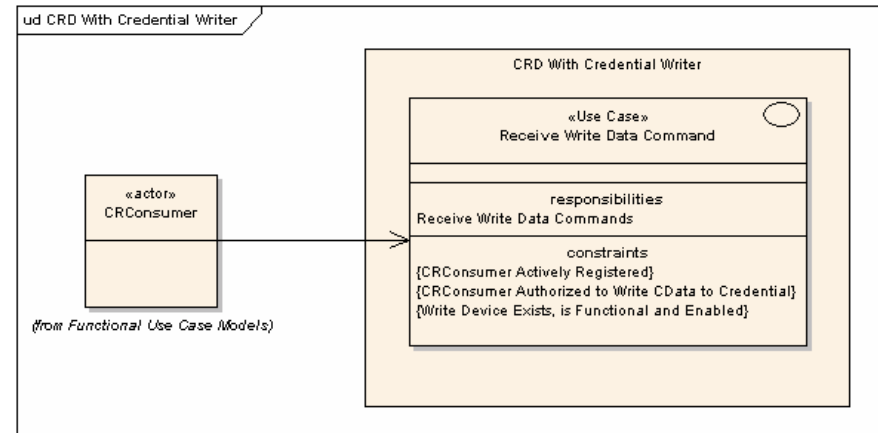




Recent SIA Standards Activities

Access Control Role Ad Hoc

- SIA Standards **Access Control Role Ad Hoc** has developed a data model that describes the interfaces to access control panels or to access control systems or components acting in that role. It provides message sets for the information exchange necessary to provision, to issue commands, request information and reports, and receive event and element status information from the access control components.

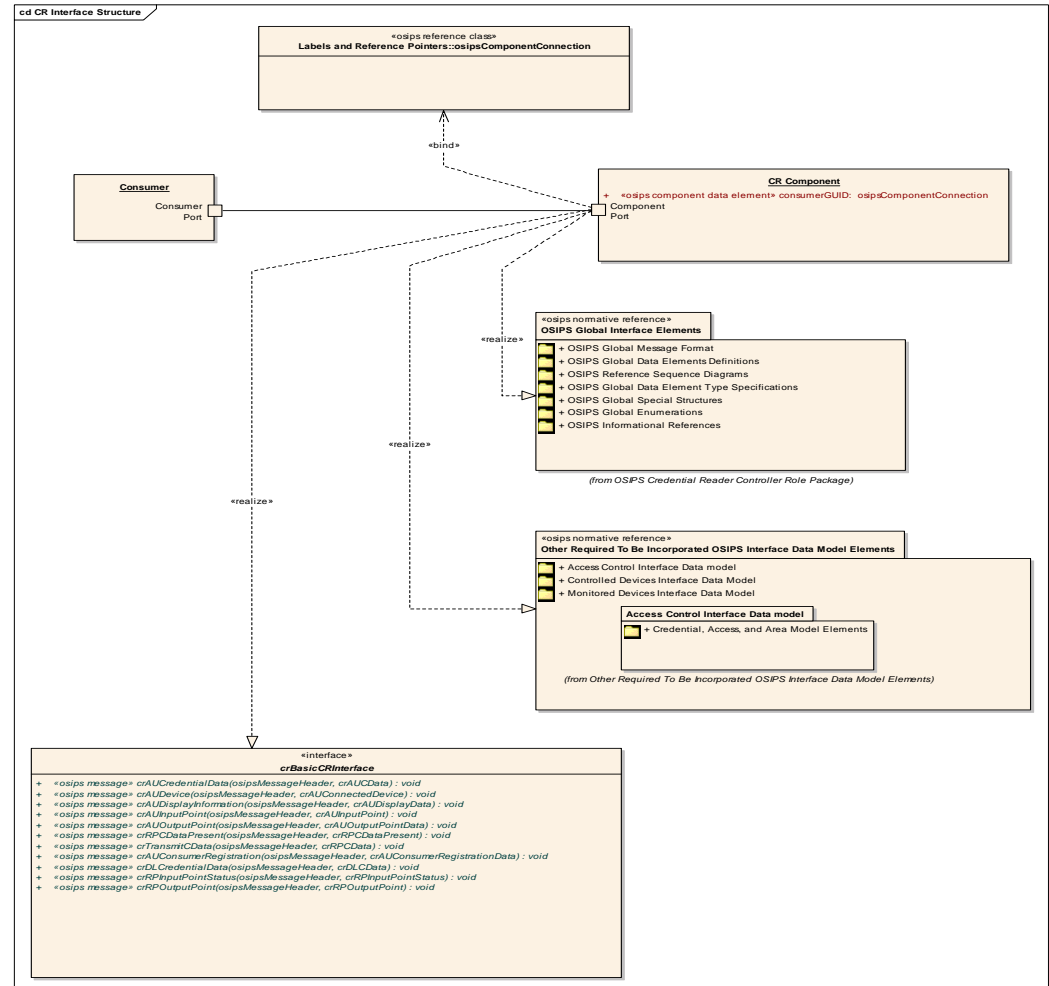




Recent SIA Standards Activities

Credential Reader Controller SC

- SIA Standards Credential Reader Controller Subcommittee has developed a data model that describes the interface between a Credential Reader (CR) or component(s) acting in that role and a consumer of credential data. The interface allows external actors to exchange information necessary to provision/configure, command, and receive event and status information from the CR.





Recent SIA Standards Activities

Credential Reader Controller SC

- SIA Standards **Credential Reader Controller Subcommittee** took NIST SP 800-73 into consideration with the purpose of harmonization.
 - FASC-N accommodated
- NIST SP 800-76 will be considered once it passes the DRAFT stage and becomes an official recommendation



Recent SIA Standards Activities

Pan Industry Data Model

- Authentication & Authorization Interface Data Model
- Capabilities Exchange Interface Data Model
- Component Connection Interface Data Model
- Event Reporting Interface Data Model
- Monitored Point Interface Data Model
- Schedules Exchange Interface Data Model
- Time Synchronization Interface Data Model
- Controlled Point Interface Data Model



Recent SIA Standards Activities

Digital Video Server Subcommittee

- Describes the interface to a digital video server (DVS) or a component acting in such role
- Provides message sets for the information exchange necessary to provision, command the component, as well as request and receive event and status information from the component
- The DVS component is viewed as a "black box" without limitations to its physical incarnation
- This data model provides an initial platform for which to build the future on
- Future versions will prescribe a more clearly defined video streaming mechanism (utilizing RTSP or similar)
- Intelligent video will be addressed in the future as the market matures
- Mechanism are in place to allow for vendor specific extensions



Current DRAFT SIA Standards out for Initial Review

- **The Following DRAFT Standards and Technical Reports can be viewed at SIAonline.org, call for comments ends 23 September 2005;**
 - **Data Modeling Technical Report (DMTR)**
 - **Access Control Role Data Model**
 - **Credential Reader Controller Data Model**
 - **Digital Video Server Data Model**
 - **Pan Industry Data Model, which Includes;**
 - Authentication & Authorization Interface Data Model
 - Capabilities Exchange Interface Data Model
 - Component Connection Interface Data Model
 - Event Reporting Interface Data Model
 - Monitored Point Interface Data Model
 - Schedules Exchange Interface Data Model
 - Time Synchronization Interface Data Model
 - Controlled Point Interface Data Model



Disposition of Comments Meetings

SIA Headquarters

Week of 26 – 30 September 2005

- Monday - Sept 26 (10 a.m. - 4 p.m.)- SIA Standards Data Modeling Methodology Ad Hoc
- Tuesday - Sept 27 (10 a.m. - 4 p.m.)- SIA Standards Pan Industry Data Model SC
- Wednesday - Sept 28 (10 a.m. - 4 p.m.) - SIA Standards Digital Video SC
- Thursday - Sept 29 (10 a.m. - 4 p.m.) - SIA Standards Ad Hoc on Access Control Data Model
- Friday - Sept 30 (9 a.m. - 3 p.m.) - SIA Standards Credential Reader Controller SC



Questions??

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