



CCTV to Access Control Standard - Message Set for System Integration

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CCTV to Access Control Standard - Message Set for System Integration

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Standards
Security Industry Association
635 Slaters Lane, Suite 110
Alexandria, VA, 22314
E-mail:
Standards@SIAOnline.org

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ACKNOWLEDGMENTS

This standard was developed by the SIA TVAC Standards Subcommittee. SIA gratefully acknowledges the efforts of the security industry volunteers on the Subcommittee developing this standard.

Chairman of the SIA Standards Committee:

ADT Security Services, Inc. Bill Moody

Chairman of the SIA TVAC Standards Subcommittee:

Integrated Command Software, Inc. R. Hunter Knight

Contributors to the SIA TVAC Standards Subcommittee:

Pelco Stephen Robinson

Salient Systems..... Tim Wegesin

Salient Systems..... Per Hanssen

SIA Liaison..... Wadei Powell

Mark A. Visbal

This standard was approved by open industry vote (88% majority) on May 4, 2001

Advantor Corp..... Justin Cullen

Digital Vision Systems..... Mark J. Young

Integrated Command Software Hunter Knight

Pelco..... Dave Smith

Salient Systems Corp..... Per Hanssen

Teklink Security..... Fred Mu

Ultrak..... Raymond Parfett

Vicon Industries..... Raymond Lyons

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1. SCOPE

This standard details an interface protocol, including a general message architecture and specific message sets, for communications between a CCTV switching sub-system and an Access Control sub-system. This standard may be applied to any two or more sub-systems of either type. This standard may also be applied to sub-systems of other types if their functionality is supported within the message sets.

This standard assumes bi-directional communications where no sub-system is a master over the other/s. Each sub-system may issue any of the defined messages, however each sub-system may decline requests that are made from the other.

This standard specifies the high order layers of the interface protocol including: Application, Presentation, and Session. It is assumed that other conventional protocols, such as TCP/IP, RS-232, and RS-485, will be used for the lower protocol layers, including: Transport, Network, Data Link, and Physical.

The message architecture in this standard is flexible and intended to be changed over time, however it is intended that additional messages will be added to the message set by formal revision of this document.

This standard is intended for use by manufacturers in the design of CCTV, Access Control, and other similar systems in the security industry and related industries. It is also intended for reference

by all affected parties, including security system installers and programmers, system specifiers, security managers, and other end users.

This standard is voluntary.

2. REFERENCE DOCUMENTS

2.1 RELATED AREAS

Additional guidance on areas relating to this standard, as noted and otherwise, can be obtained from the sources listed below.

- *NTCIP 1205 Recommended Standard – Object Definitions for Closed Circuit Television (CCTV)*
- *Principles of Database Management by James Martin (Prentice Hall, 1976)*

2.2 PRECEDENCE

In the event of conflict between this standard and other reference documents mentioned herein, the order of precedence shall be:

- 1) this standard
- 2) other reference documents

3. CONVENTIONS AND DEFINITIONS

3.1 CONVENTIONS

3.1.1 Units of Measurement.

In accordance with SIA Policy, the units of measurements used throughout this publication are the units of the System International d' Unites (SI), commonly known as metric units. Equivalent English Units, enclosed in parenthesis, are also