

SEMI E41.1-0996

SECS-II SUPPORT FOR EXCEPTION MANAGEMENT STANDARD

This Standard was technically approved by the Information & Control Global Technical Committee. Available at www.semi.org in September 1996.

NOTICE: This Standard or Safety Guideline has an Inactive Status because the conditions to maintain Current Status have not been met. Inactive Standards or Safety Guidelines are available from SEMI and continue to be valid for use.

1 Purpose

1.1 This Document maps the services and data of its Parent Document, SEMI E41, to SECS-II streams and functions and data definitions.

2 Scope

2.1 This is the standard way to implement the Exception Management Standard, which provides remote control communication of exceptions and recovery, using the SECS-II message format.

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3 Referenced Standards and Documents

3.1 SEMI Standards and Safety Guidelines

SEMI E5 — Specification for SEMI Equipment Communications Standard 2 Message Content (SECS-II)

SEMI E41 — Exception Management (EM) Standard

NOTICE: Unless otherwise indicated, all documents cited shall be the latest published versions.

4 Terminology

4.1 None.

5 Mapping of Exception Management Messages

Table 1 Exception Management Messages SECS-II Mapping

<i>Service Message Name</i>	<i>Stream, Function</i>	<i>SECS-II Name</i>
EXPost Notify	S5F9,F10	Exception Post Notify/Confirm
EXCleared Notify	S5F11,F12	Exception Clear Notify/Confirm
EXRecover Request	S5F13,F14	Exception Recover Request/Acknowledge
EXRecoveryComplete Notify	S5F15,F16	Exception Recovery Complete Notify/Confirm
EXRecoveryAbort Request	S5F17,F18	Exception Recovery Abort Request/Acknowledge

6 Exception Parameters Mapping

Table 2 Exceptions Data Item Mapping

<i>Parameter</i>	<i>SECS-II Data Item</i>
ErrorCode	ERRCODE
ErrorText	ERRTEXT
EXAck	ACKA
EXEnabled	EXENABLED

<i>Parameter</i>	<i>SECS-II Data Item</i>
EXID	EXID
EXMessage	EXMESSAGE
EXRecovery	EXRECVRA
EXState	EXSTATE
EXType	EXTYPE
Timestamp	TIMESTAMP

7 Implementation Details

7.1 Several capabilities of the Exception Management Services (EMS) are accessed through the Object Services Standard. The Exception Objects are persistent. An Object Services compliant implementation of EMS will allow access to all the attributes specified in the SEMI E5 Object definition table for an Exception Object.

All implementations shall use Object Service's GetAttr and SetAttr to access:

EXENABLED

EXSTATE

NOTE 1: EXSTATE is read-only.

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