



SEMI E53.1-1296

SECS-II SUPPORT FOR EVENT REPORTING STANDARD

1 Purpose

This document maps the services and data of its prime document, SEMI E53, to SECS-II streams and functions and data definitions.

2 Scope

This is the standard way to implement the Event Reporting, which provides event-based reporting using the SECS-II message format.

3 Referenced Documents

3.1 SEMI Standards

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

SEMI E39 — Object Services Standard: Concepts, Behavior, and Services

SEMI E39.1 — SECS-II Protocol for Object Services Standard (OSS)

SEMI E53 — Event Reporting

4 Terminology

None.



5 Mapping of Event Reporting Messages

Table 1. Event Messages Mapping

<i>Service Message Name</i>	<i>Stream, Function</i>	<i>SECS-II Name</i>
Event Report Send	S6F11,F12,F13,F14	Event Report Send/Confirm Annotated Event Report Send/Confirm
Event Report Request	S6F15,F16	Event Report Request/Data
Data Report Request	S6F19,F20	Individual Report Request/Data
Collection Event Link Request	S2F57,F58	Collection Event Link Request/Acknowledge
Collection Event Unlink Request	S2F59,F60	Collection Event Unlink Request/Acknowledge
Data Report Create	S2F49,F50	Data Report Create Request
Data Report Delete Request	S2F51,F52	Data Request Delete Request/Acknowledge
Trace Create Request	S2F53,F54	Trace Create Request/Acknowledge
Trace Delete Request	S2F55,F56	Trace Delete Request/Acknowledge
Trace Report Send	S6F49,F50	Trace Report Send/Confirm
Trace Report Reset Request	S2F61,F62	Trace Report Reset Request/Acknowledge
Trace Report Request	S6F29,F30	Trace Report Request/Data

6 Event Parameters Mapping

Table 2. Event Service Parameter Mapping

<i>Parameter</i>	<i>SECS-II Data Item or Object Attribute</i>
ErrorCode	ERRCODE
ErrorText	ERRTEXT
ReportID	RPTID
DataSrcSpec	DATASRC
CollEventID	CEID
EvtSrcSpec	EVNTSRC
Enabled	CEED
(list of) AttrName	(list of) VID
ReportChangeOnly	RPTOC
TraceID	TRID
SamplePeriod	TRSPER
TotalSamples	TOTSMP
GroupSize	REPGSZ
StartEventID	CEID
StopEventID	CEID
AutoDelete	TRAUTOD