

Standards Status Including Improvement Efforts

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e-Manufacturing Standards Overview

Data Utilization

E133 Process Control Systems

#3442 Recipe and Adjustable Parameter

E116 Equipment Performance Tracking

E127 Integrated Measurement Module

Interface A

#3571 Equipment Data Acquisition Guide

E132 Authentication

#3509 Data Collection Management

E125 Equipment Self Description

E120 Common Equipment Model

XML Protocols

Security

Data Collection

Metadata

E128 XML Message Structures

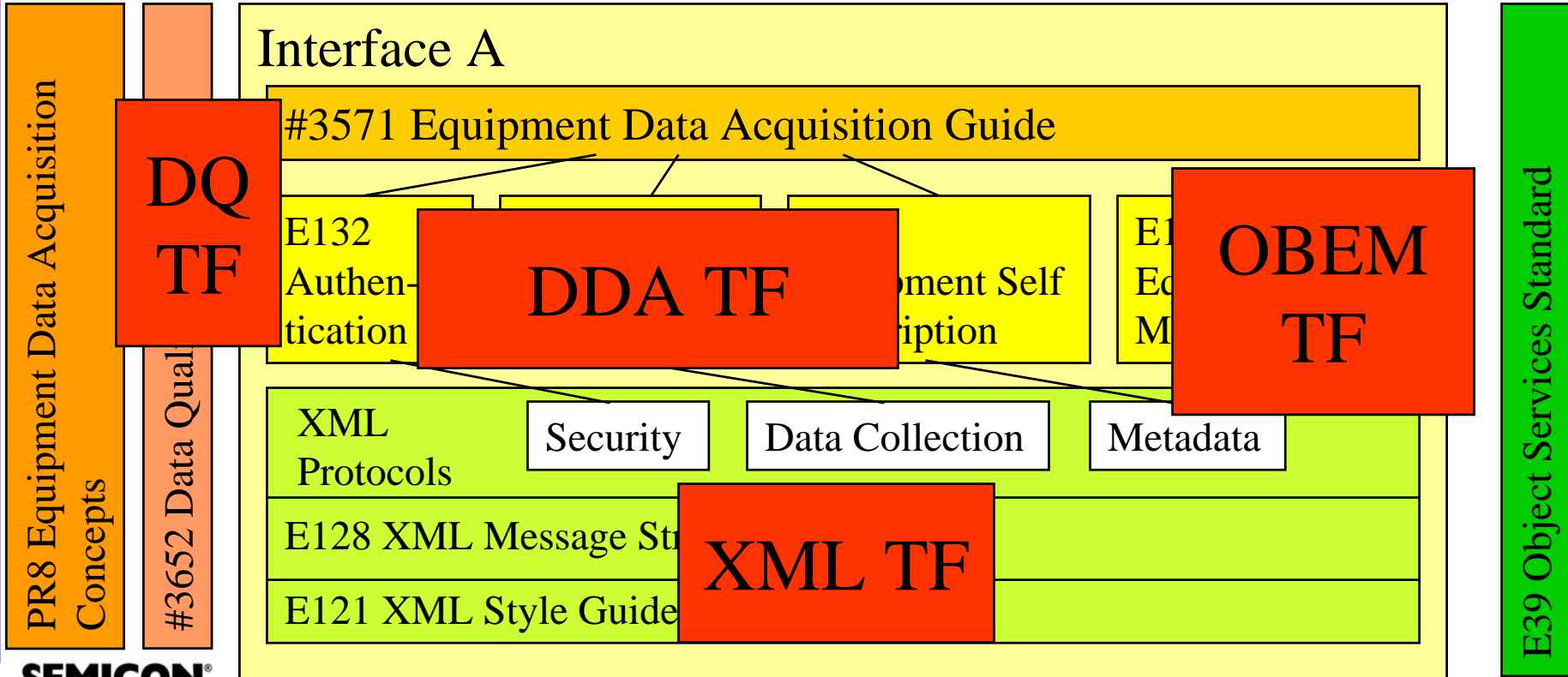
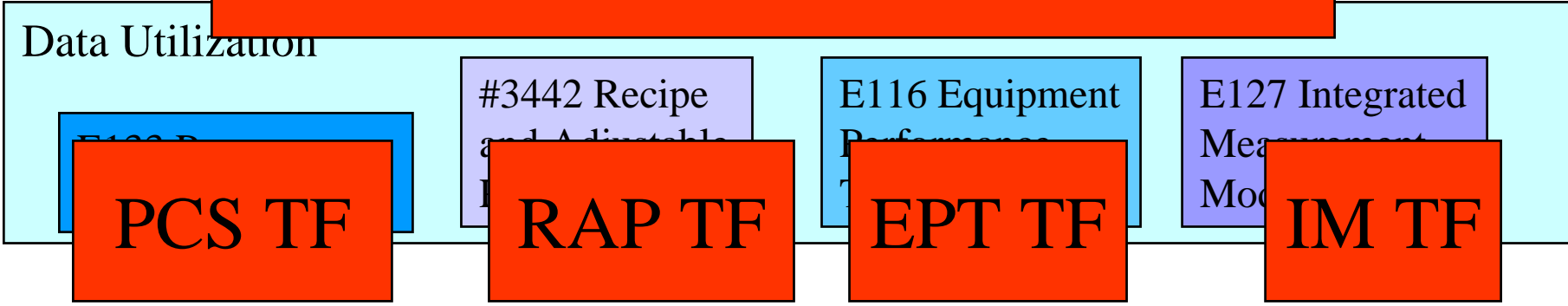
E121 XML Style Guide

PR8 Equipment Data Acquisition Concepts

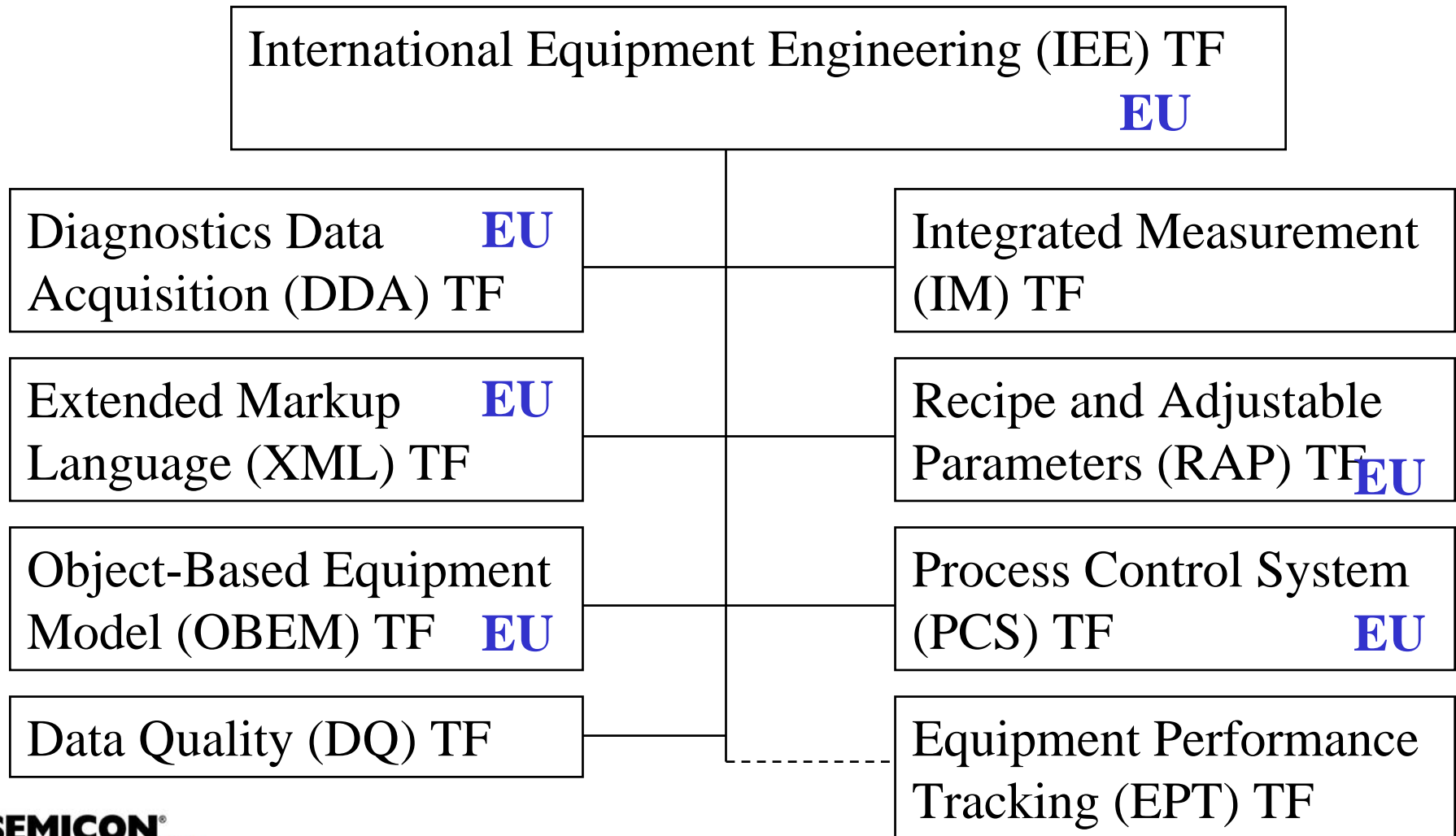
#3652 Data Quality

E39 Object Services Standard

IEE TF



e-Manufacturing Task Forces



Standards Status (1)

	2002	2003	2004		
IEE TF Time Synchronisation				Re-activated 03/04	
XML TF XML Style		E121 -0303	E121 -0703		
XML Message Structures			E128 -0703		
Common Components					
Standard for XML					
DQ TF Data Quality Definition				#3652	

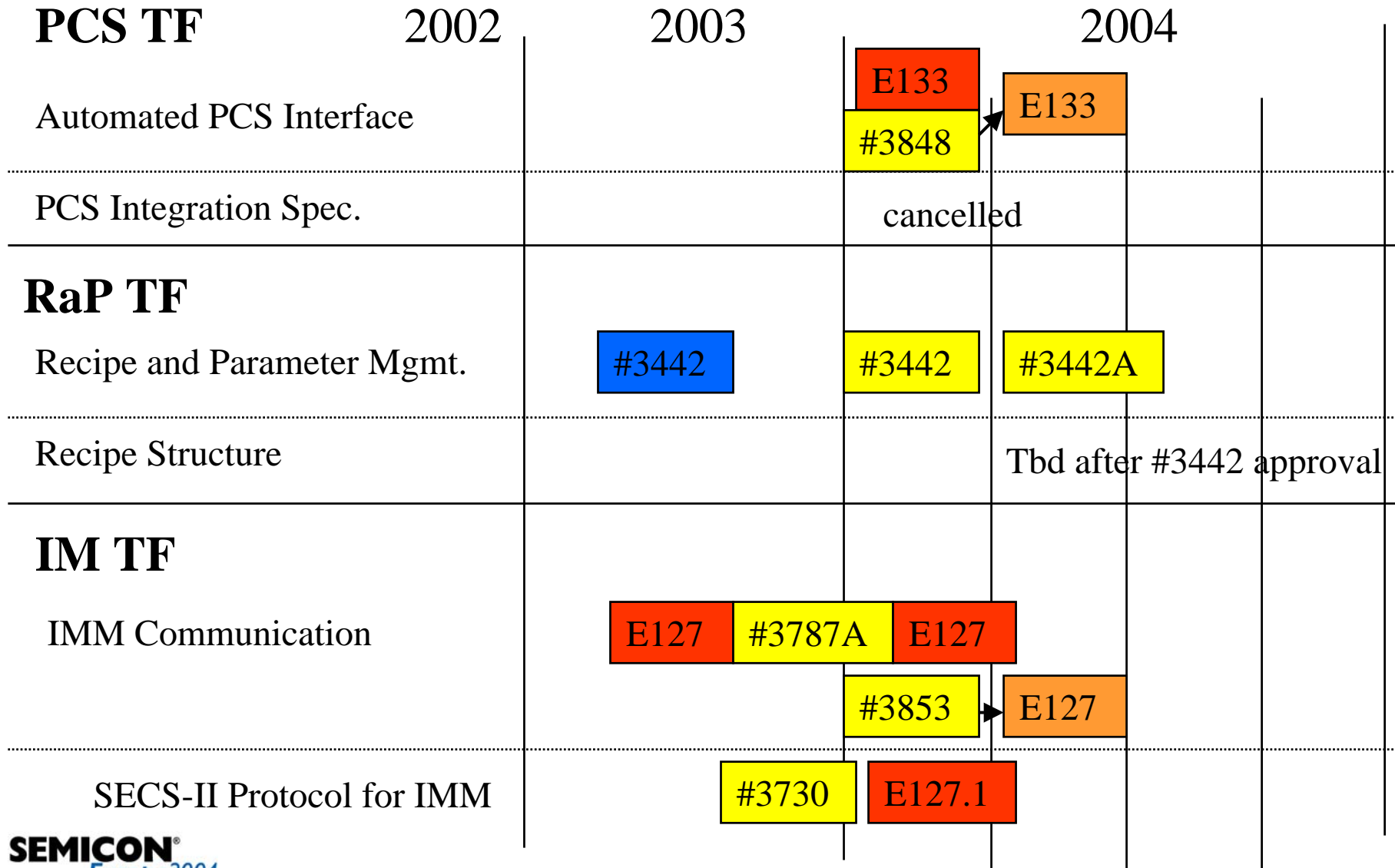
Standards Status (2)

DDA TF	2002	2003	2004
Equ. Data Acq. Sol.		PR8	
Equ. Self Description		E125	#3855 → E125 #3855 → #3855A
SOAP Binding			#3719 → #3719
Authentication		E132	#3852 → E132 #3852 → #3852A
SOAP Binding			#3720 → #3720
Data Collection Mgmt			#3509C → Publ. #3509C → #3509D
SOAP Binding			#3721 → #3721
EDA Guide (Japan)			#3571 → #3571

Standards Status (3)

OBEM TF	2002	2003	2004
Common Equipment Model	E120	E120	#3848 → E120
XML Schema			#3568 → E120.1
OBEM	E98	#3645	#3645 → #3645A → Proposal to withdraw
SECS-II Mapping		#3645	#3645A → Proposal to withdraw
XML Mapping			cancelled
Object Services Standard	E39	E39	

Standards Status (4)



Outlook

- Standards for Interface A on target to be published in 2004
- International standardization effort between USA, Japan, Europe, and Taiwan
- European e-Manufacturing TFs open for additional participants
- Other European I&C TF (SANPro) working on Sensor Actuator Network Standard for PROFINet (currently preparing yellow ballot)