



**EDIFICE**

The European B2B Forum for the Electronics Industry

## Forecasting and Inventory Management (FIM)

EDIFICE Task Group Report

95th Plenary Newcastle

November 30th, 2005



## Current FIM Task Group members (listed)

- **Texas Instruments**, Theo Klaassen (acting FIM Chairman)
- **Fairchild Semiconductor**, Eric Pannekeet
- **Freescale**, Juergen Linkens
- **Nokia**, Matthias Gehrken
- **Philips**, Myriam Oldenziel-Bossink
- **SAP SI**, Steffen Clauss
- **STMicroelectronics**, Philippe Guillet
- **Toshiba**, Gavin Everson
- Alcatel, ?
- Analog Devices?
- Bourns?
- Infineon?
- Murata?

No Distributor and no CEM participating, so far...



## EDIFICE FIM Task Group Meetings / Deliveries (so far...)

*TG Meetings / Minutes:* <http://collaborate.edifice.org/fim/Minutes>

- 1996 – 3 meetings
- 1997 – 6 meetings
- 1998 – 3 meetings
- 1999 – 4 meetings
- 2000 – 2 meetings (3 members)
- 2001 – 0 meeting
- 2002 – 1 meeting
- 2003 – 1 meeting (go dormant)
- 2004 – 1 meeting

### *Deliveries:*

- Recast of 92.1 DELFOR and DELJIT to D.97A
- Development of D.97A INVRPT FIM
- Development of FIM Business and Information Model Guidelines (1&2)
- Inputs into RosettaNet Collaborative Forecasting Milestone Programs
- Collaboration with SAP-SI how to handle DELFOR-Response (in SAP)
- MIG/PIP xref (see next page)



## Forecasting & Inventory Management – MIG/PIP XREF

**FORECAST & INVENTORY MANAGEMENT MIG/PIP Cross Reference**  
(published on <http://repository.edifice.org/forecasting-xref.aspx>)

### **EDIFICE DELFOR BGM / RosettaNet PIP(s) / Frequency / Comments**

- **'A'** = Planning forecast / 4A1 / Monthly / pre-reservation of capacity
- **'B'** = Planning forecast with traditional purchase order cycle / 4A4 + 3A4 / Not recommended
- **'C'** = Planning forecast and separate material release / 4A4 + 4D1 / Mostly weekly / Recommended to call-off with DELJIT/4D1
- **'D'** = Planning forecast combined with embedded release / 4A2 / Weekly – could be daily
- **'E'** = Planning forecast with consignment stock / 4A3 / Usually weekly
- **'F'** = Planning forecast with separate call off, and consignment. Not used
- **'G'** = Forecast-based Supplier-Managed Inventory / 4A3 / Weekly or daily
- **'H'** = Forecast-based Supplier-Managed Inventory with consignment / 4A3 / Weekly or daily
- **'I'** = Consumption-based SMI / Not used
- **'J'** = Distributor forecasting and supply / 4A4 / Mostly weekly / Identical to planning forecast
- **'K'** = SMI in third party warehouse - buyer-owned inventory / 4A3 / Weekly or daily
- **'L'** = SMI in third party warehouse - seller- owned inventory (i.e. consignment) / 4A3 Weekly or daily
- **'M'** = Contract manufacturing - Prime contractor procures components / Not used
- **'N'** = Contract manufacturing - Contract manufacturer procures components / Not used
- **'O'** = (Consignment) inventory in third party warehouse / 4C1 / Mostly daily / Mostly consignment inventory and snapshot of goods in-transit inbound and outbound
- **'P'** = Response to forecast / 4A5 / As appropriate response to any forecast that was made / as per the frequency of the forecast it applies to

### **Other Messages within FIM scope**

- **DELJIT** / 4D1 / Material Release
- **INVRPT FIM** / 4B3 Consumptions & Receivings
- **INVOIC SBI** / 3C7 Self-billing invoice / 3C7 also handles consumptions
- **DESADV** / 3B2 / Event driven or daily Despatch advice from Supplier to iHub and/or from iHub to Production-line (with copy to Supplier)
- **RECADV** / 4B2 / Event driven or daily





## Ordering Business Process vs FIM Business Process (2)

Customers sending DELFOR + ORDERS (instead of DELFOR + DELJIT) oblige Suppliers to build pre-processors (awk-scripts) as to get JIT-eligible products processed in DELINS-IDocs and non-JIT-eligible products in ORDERS-IDocs.

Sold-to	Date	EDI Type	Transmission #	PO Date	PO Number	POI	TI Device	Customer Part	Rev #	Quantity	CRD	Price	Curr
▶	100614												
▶	100680												
▶	100767												
▶	101050												
▶	101248												
▶	101589												
▶	102174												
▼	102336												
▶	2004/11/22												
▼	2004/11/19												
		<u>DELJIT</u>	00000000002222	2004/11/19	0009023875	00020	F TL072IDR	4309198		2500	2004/11/29		USD
		<u>DELJIT</u>	00000000002222	2004/11/19	0009023875	00040	F OPA690IDR	4347362		2500	2005/01/10		USD
		<u>DELJIT</u>	00000000002222	2004/11/19	0009023875	00050	F SN74LVC08ADBR	4341006		6000	2004/12/03		USD
		<u>ORDERS</u>	00000000002222	2004/11/19	0009023875	00010	F	4342974		60	2004/11/29	31.13	USD
		<u>ORDERS</u>	00000000002222	2004/11/19	0009023875	00030		4343858		240	2005/02/21	13	USD
		<u>DELJIT</u>	00000000002222	2004/11/19	0009023875	00060	F LM2904DR	4343240		12500	2004/12/03		USD



## Existing Standards, White-Papers, etc.

Search on [www.google.com](http://www.google.com) for DELFOR + DELJIT :

- RosettaNet <http://www.rosettanet.org/collaborativeforecasting>
- UN/EDIFACT (CEFACT) <http://www.unece.org/trade/untdid/download/98cf20a2.pdf>
- EIDX 830/DELFOR or 862/DELJIT <http://eidx.comptia.org/guidelines/documents/gsd97.pdf>
- Odette [http://mows.aiag.org/ScriptContent/at04sessions/FULL/session\\_display.cfm?spsession=GA01.pdf](http://mows.aiag.org/ScriptContent/at04sessions/FULL/session_display.cfm?spsession=GA01.pdf)
- AIAG <http://www.aiag.org/forms/AIAGBook.pdf>
- SAP (Best Practice) <http://www50.sap.com/businessmaps>
- MIST [http://www.ecomlogistics.se/bibli/MIST\\_Report\\_version\\_2000.doc](http://www.ecomlogistics.se/bibli/MIST_Report_version_2000.doc)
- University of Michigan Business School <http://www.samoore.com/papers/cat-edi.pdf>
- Computer Distributors Inc. <http://www.comdist.com/edi.htm>
- VTT-Finland and Incap <http://www.vtt.fi/inf/pdf/tiedotteet/2002/T2149.pdf>
- Etc. etc.

+ all those Trading Partners that have correctly adopted DELFOR + DELJIT, especially in the Automotive Industry.



## Call for actions

- Re-vitalise EDIFICE Forecasting and Inventory Management Task Group  
(new FIM WG members to make themselves known)
- Elect FIM Chairman  
(I am willing to continue, but not under all circumstances)
- Define 2006 FIM Deliverables and Priorities  
(set realistic goals and make sure companies adopt)

Next FIM Task Group meeting to be decided based on expressed interest.

For any further discussion, please contact:

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