warp it AG

Package for SPEC2000 XML



Air Transport Association



- Created by the airline industry
- Comprehensive set of e-business specifications, products and services
- Widely used by the world's airlines and suppliers
- Administered by the Air
 Transport Association (ATA)
- www.SPEC2000.com



Air Transport Association



E-Business Specification for Materiels Management

Revision 2012.2 (18th Revision)



Air Transport Association of America, Inc. 1301 Pennsylvania Avenue, NW - Suite 1100 Washington, DC 20004-1707 USA

- Order Administration quotation process, shipment, customer invoice
- Repair Order Administration
- Warranty Claims Placement
- XML Representations
 ATA_SparesOrder,
 ATA_SparesOrderExc,...



E-Business Specification for Materiels

Management

Revision 2014.1 (20th Revision)



AIR TRANSPORT ASSOCIATION

Air Transport Association of America, Inc. 1301 Pennsylvania Avenue, NW - Suite 1100 Washington, DC 20004-1707 USA

- New Version for changes in 2014
 - PNR length to CHAR25
 - ACN length to CHAR10
 - INV/RIN length to CHAR25
 - New TEI DNS
 - Other changes
- New SAP certification end 2015



Air Transport Association

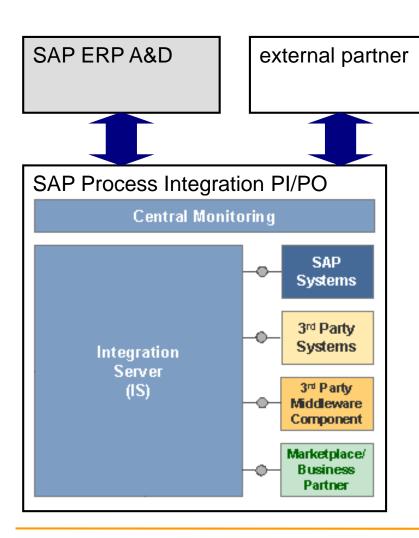


XML Representations

SPEC2000: CHAPTER	SPEC2000: MESSAGE	XML SCHEMA INITIAL TRANSACTION	XML SCHEMA RESPONSES or ACKNOWLEDGMENT
2	S1QUOTES	ATA_SparesQuoteRequest	ATA_SparesQuoteInterim, ATA_SparesQuoteFinal
2	S1STOCKS	ATA_SparesStockInquiry	ATA_SparesStockResponse
3	S1BOOKED	ATA_SparesOrder	ATA_SparesMessageAck
3	S1BOOKBK	ATA_SparesOrderBookback	
3	S1ORDEXC	ATA_SparesOrderExc	ATA_SparesMessageAck
3	S1POSTAT	ATA_SparesOrderStatusInquiry	ATA_SparesOrderStatusResponse
3	S1SHIPPD	ATA_SparesSupplierShipNotice	
4	S1NVOICE	ATA_SparesInvoice	ATA_InvoiceMessageAck
		ATA_CommonTypes	
		CSDD_MM	
		MM_CommonTypes	



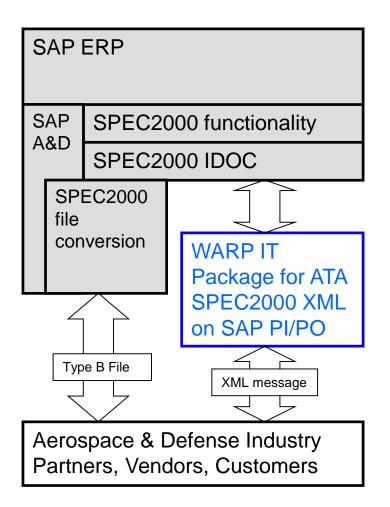
System Landscape



- Using SAP ERP A&D solution
- Exchange messages via SAP PI/PO which is part of SAP Netweaver™
 Central development, configuration and monitoring of all business processes
- SAP standard adapters:
 File/FTP, HTTP, MQSeries,
 IDOC/RFC, 3rd Party Apps,...



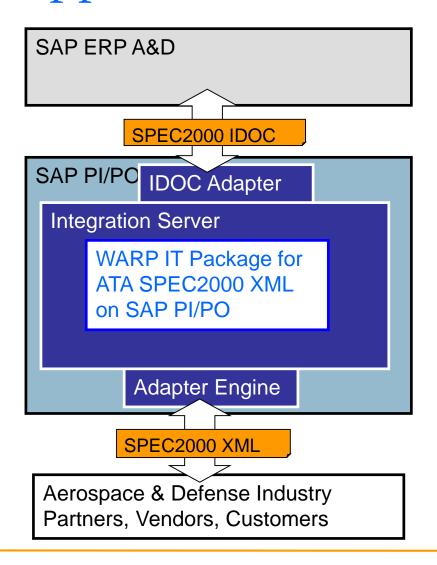
Application Architecture



- SAP A&D Interface for ATA SPEC2000
- Build upon enhancements and developments in the SAP SPEC2000 functionality
- Concurrent use of SPEC2000
 XML and SPEC2000 Type B for different partners



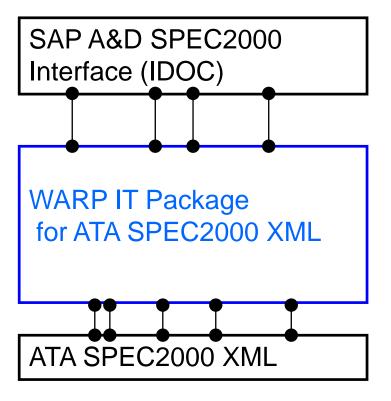
Application Architecture



- Data exchange via standard ALE interface and IDOC adapter
- Flow control for defined business processes
- Interface mapping between IDOC types and XML messages
- Field mapping and conversion between EDI and XML formats
- Adapter Engine sends and receives XML messages (HTTP protocol)

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SAP PI(XI) Content



Following SAP PI Content packages are required

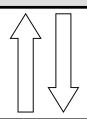
- SAP A&D Interface for ATA SPEC2000 defines interfaces (SPEC2000 IDOC) used in SAP A&D; → SAP Marketplace
- WARP IT Package for SPEC2000 XML provides mapping between interfaces and supports ATA processes
 → warp it AG or SAP Marketplace
- Interface for ATA SPEC2000 XML defines interfaces for ATA SPEC2000 XML messages; → warp it AG



Process Overview

SAP ERP A&D

MM as Buyer



SAP PI/PO

WARP IT Package for ATA SPEC2000 XML ATA_SparesStockInquiry
ATA_SparesQuoteRequest
ATA_SparesOrder
ATA_SparesOrderStatusInquiry
ATA_InvoiceMessageAck

ATA_SparesStockResponse
ATA_SparesQuoteFinal
ATA_SparesOrderBookBack
ATA_SparesOrderExc
ATA_SparesMessageAck
ATA_SparesOrderStatusResponse
ATA_SparesSupplierShipNotice
ATA_SparesInvoice

SAP ERP A&D
SD as Seller

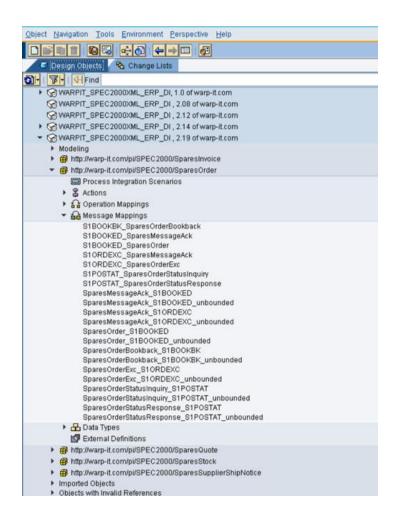
SAP PI/PO
WARP IT Package

SPEC2000 XML

for ATA



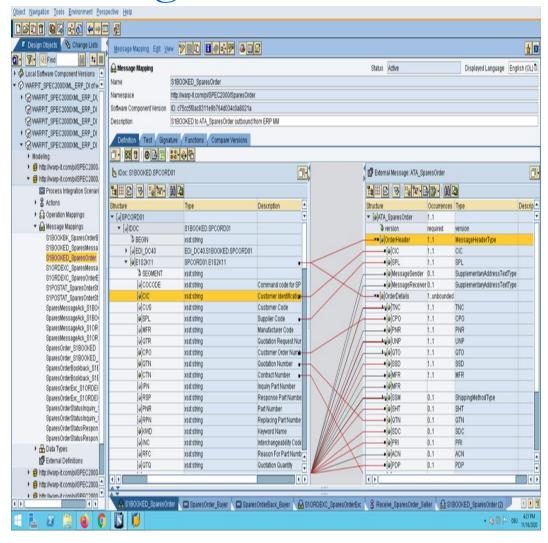
Package for ATA SPEC2000 XML



- - Chapter 3
 S1BOOKED: ATA_SparesOrder,
 ATA_SparesMessageAck
 S1ORDEXC: ATA_SparesOrderExc,
 ATA_SparesMessageAck
 S1POSTAT:
 ATA_SparesOrderStatusInquiry,
 ATA_SparesOrderStatusResponse
 S1SHIPPD:
 ATA_SparesSupplierShipNotice
- Chapter 4
 S1NVOICE: ATA_SparesInvoice,
 ATA_InvoiceMessageAck



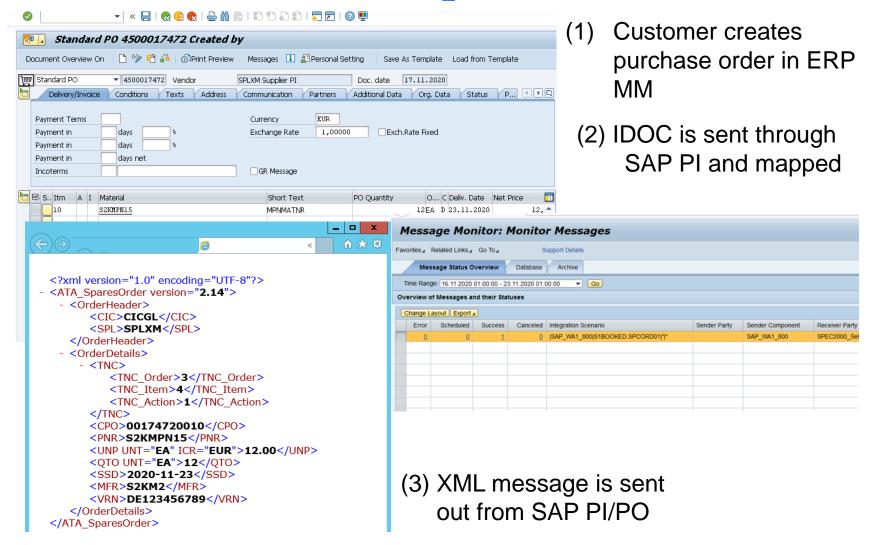
Package for ATA SPEC2000 XML



 Mapping example for S1BOOKED to ATA_SparesOrder



Demo – Outbound process





Capabilites

- Implementation and configuration of the package
- Customer specific enhancements for mappings and processes
- Support of available SAP A&D versions
- Support of future releases of ATA SPEC2000 standard
- Member of ATA XML Taskforce/Markup Working Group



Preview

- Recertification with newer XML Version
- Additional Adapter modules
- New Mappings and business processes



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