SPEC2000 Regulatory Documentation

Understanding the Electronic Authorized Release Certificate

by Klaus Malone



Air Transport Association

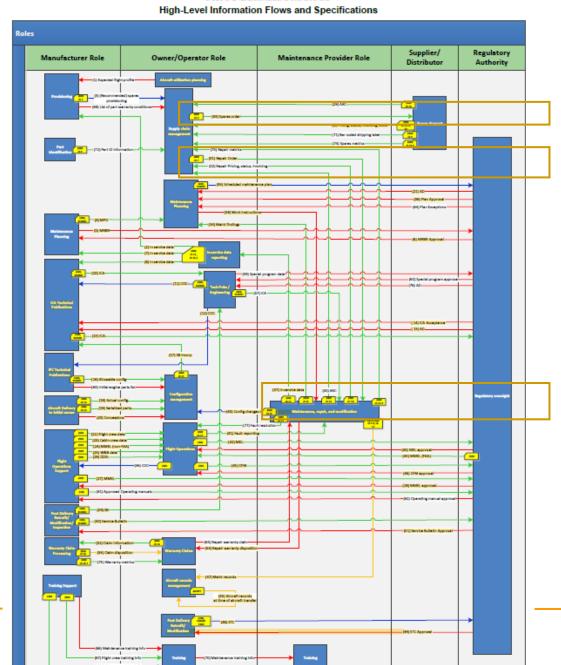


- Created by and for the civil aviation industry
- Widely used by the world's airlines and suppliers
- Administered by the Air Transport
 Association of America (ATA/A4A)
- www.SPEC2000.com

 A comprehensive set of e-Business specifications, products and services

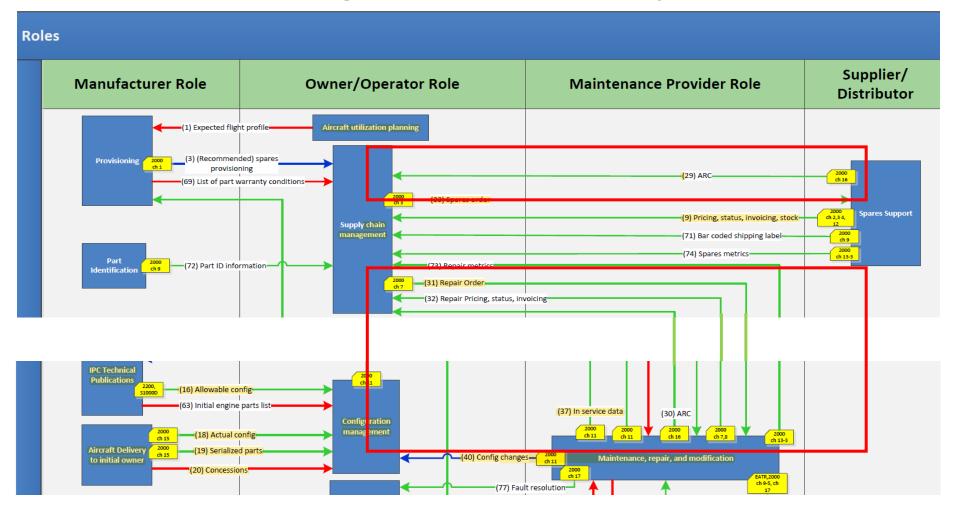


ATA e-Business Program





High-Level Information Flows and Specifications



Paper Reality

1.		10		· · · · · · · · · · · · · · · · · · ·			
Approvi	ng National Aviation				Form Tracking		
	ly/Country:	AUTHORIZED RE			Number	,	
	Inited States	FAA Form 8130-3, AIRY	MORTHINESS.	APPROVAL TAG	075631258		
	anization Name and				5. Work Order/Contra	n¢U	
	& WHITNEY	TURBAN	e airfoils pro	DUCT CENTER	Invoice Number 90984346		
	SHINGTON AVENUE		PROVAL HOLDE	-			
	HAVEN, CT 86473, U	**************************************		ATE NUMBER 2			
	7. Descriptors	6. Part Number	9.Elgibility	110.Quantity	11. Sonal/Batch Number	12, Status/Work	
1	BLADE	54L732	PW4000	140	N/A	NEW	
				1			
	erks: Page 1 of 1 AL AIRWORTHINES	S APPROVAL					
14.Certifie	s the items identified above	were manufactured in conformity to:	19. ☐ 14 CFR Certities that a	43,9 Return to Service	Other requisition specified in Block 13, the work inde	ed in Block 13	
		are in a condition for safe operation	described in B	look 13 was accomplish	red in ecoordance with Title 1	4. Odds of Federal	
	Nonapproved design data s		<u>(Requisitons, o</u>	9/1 43 arod in respect to	that work, the items are appli	leved for return to service.	
	izod Signature.	15.Approval/Authorization No.: NEB00004AC	ZU.Autnor	izeo Signature:	21. Approval/Certi	Ticate No.:	
17. Name LO	(Typed or Printed): RREY HATCH	18, Data (m/d/y): 1/24/2004	<u>. j </u>	Typed or Printed):	23. Date (m/d/y);		
			ller Respons			· -	
ine usesinst Statements i	gannatenen bevontet anwordi.) Januarenen bevontet anvordi.)	nce of this document cions does not subtract econdence with the national regulations of or sea authority accepts paradocumponentalissa fillula installation confidentics, in all cases, a won.	i aireorthiness suth: emblics from the sis	orly different them the gires	of this reason with the country		
'AA Form (3130-3 (8-01)	unstaller must cross-check eighblit	y with applicable (echnical data.	NSN: 0052-00	-012-9005	

Approving National Authority Country: FAAT a whitner Turene Airfoll Product Center Invoice Number 90984346 NORTH HAVEN, CT 88473, USA PRODUCTION CERTIFICATE NUMBER 2 Description not consistent with other 8130-3 tags for this part number 1.2. Status Work 1 BLADE 54L732 PW4000 140 N/A NEW 13. Remarks: Plage 1 of 1 ORIGINAL AIRWORTHINESS APPROVAL						Facility closed in 2003	North Haven I		
Approving National Austrion Authority/Country. FAA/United States 4. Organization Name and Address: PRATT & WHITNEY NORTH HAVEN, CT 884/3, USA Description not consistent with other 8130-3 tags for this part number 1. Remarks: Page 1 of 1 ORIGINAL AIRWORTHINESS APPROVAL 14. Certifies the items identified above were manufactured in conformity to: 15. Certifies the items identified above were manufactured in conformity to: 16. Certifies the items identified above were manufactured in conformity to: 17. Certifies the items identified above were manufactured in conformity to: 18. Certifies the items identified in Block 13 the werk industried in Block 13 the w				<u> </u>					
PRATT & WHITNEY 415 WASHINGTON AVENUE NORTH HAVEN, CT 864/3, USA PRODUCTION CERTIFICATE NUMBER 2 Description not consistent with other 8130-3 tags for this part number 13. Remarks: Page 1 of 1 ORIGINAL AIRWORTHINESS APPROVAL 14. Certifies the items identified above were manufactured in conformity to: 15 The Reproduct Center 16. Description 17. Description 18. Page 1 of 1 ORIGINAL AIRWORTHINESS APPROVAL 14. Certifies the items identified above were manufactured in conformity to: 15 The Lord 13 the west indentified in Block 14 the west indentified in Block 14 the west indentified in Block 14 the west in	,	Number	RTIFICATE		FAA Form 8130-3, AIRWA	Avr. FA			
Description not consistent with other 8130-3 tags for this part number ORIGINAL AIRWORTHINESS APPROVAL 14. Certifies the items identified above were manufactured in conformity to: 15. Per Number 10. Quantity 11. Somet/Batch Number 12, Status/Work 12, Status/Work 13, Status/Work 14, S		Invoice Number	DUCT CENTER R	Turbine Airfold Product Center FFA APPROVAL HOLDER		PRATT & WHITNEY 418 WASHINGTON AVENUE			
not consistent with other 8130-3 tags for this part number 13.Remarks: Page 1 of 1 ORIGINAL AIRWORTHINESS APPROVAL 14.Cartines the items identified above were manufactured in conformity to: 19. 14 CFR 43.9 Return to Service Other requisition specified in Block 13 the work Indontified in Block 13 and Cartines that unless otherwise specified in Block 13 the work Indontified in Block 13 and Cartines that unless otherwise specified in Block 13 the work Indontified in Block 13 and Cartines that unless otherwise specified in Block 13 the work Indontified in Block 13 and Cartines that unless otherwise specified in Block 13 the work Indontified in Block 13 and Cartines that unless otherwise specified in Block 13 the work Indontified in Block 13 and Cartines that unless otherwise specified in Block 13 the work Indontified in Block 13 and Cartines that unless otherwise specified in Block 13 the work Indontified in Block 13 and Cartines that unless otherwise specified in Block 13 the work Indontified in Block 13 and Cartines that unless otherwise specified in Block 13 the work Indontified in Block 14 and Indontified in Block 15 and Indont	12. Status/Work	19. Sonal/Batch Number 12, Status/Wort		,		em 7. Description	Description 8. Pr		
1S.Remarks: Page 1 of 1 ORIGINAL AIRWORTHINESS APPROVAL 14.Certifies the items identified above were manufactured in conformity to: 19. 14 CFR 43.9 Return to Service			140	PW4000	54L732	BLADE	not consistent with other 8130-3 tags		
Certifies that unless officering specified in Block 13 the work indentified in Street 12 and									
[Approved design data and are in a condition for safe operation [described in Block 13 was accomplished in occurriance with Title 14, Code of Federal F. Nonapproved design data appellied in Block 13 [Requisitions, vari 43 and in respect to that work, the literals are approved for return to remain to send 15. Authorized Signature; [15. Approvat/Authorized In Block 13 was accomplished in occurriance with Title 14, Code of Federal Requisitions, vari 43 and in respect to that work, the literals are approved for return to remain to provide the condition of the send of of the sen	4CSI	1 Block 13, the work indentified in Block 12 ; in occordance with Title 14, Code of Federal LWOIK, the lights are approved for return to r	niess otherwise specified in ook 13 was accomplished in of 43 and in respect to that	Cerones mat un described in Bi Requisitions, or	a condition for cafe operation led in Block 13 13.Approvs/Authorization No.:	[Approved design data and are in a Nonapproved design data appending the light state appending to the light state appending the light state appendin	15. AI		
Marie (Typed or Printed): 18, Date (myle): 122, Narrie (Typed or Printed): 23, Date (myles):				90 No. 7		17 No			
Mr. Hatch ORREY HATCH 1/24/2004 (m/d/y): 22. Name (Typed or Printed): 23. Date (m/d/y):		23. Date (m/d/y);	yped or Printed);	. इ.स्थान्छ (।		ORREY HATCH			
retired on 3. User/Installer Responsibilities				User/Installer Responsibilities					
bitant to understand that the existance of this document close red automotically constitute automotic is install the participation/posembly. 11-99 The desired in the red control of the existance of the exista		bitant to understand that the existence of this document signe does not automatically constitute automatic install the participation participation of an experimental participation of the country specified in Black 1, it is expertise neutral higher airwortniness authority accepts paradomporantics, seembles from the sinurathiness authority of the country specified in Black 1, it is expertise neutral higher airwortniness authority accepts paradomporantics, it is expertised to sinurathiness authority of the country specified in Black 1. Statements in Black 14 and 18 do not constitute installation cartification, it is except, aircraft maintenance matrix thus constitute installation cartification.							
FAA Form 5130-9 (8-01) Installer must cross-check eighblity with applicable technical data. Obsolete ODAR number not used since 7-31-98	ľ	0.0000000000000000000000000000000000000	echnical data.	with applicable to	nstaller must cross-check eightily	orm 8130-3 (8-01)	FAM FO		

An ATA industry project

Mission

To develop an industry specification to enable the electronic exchange of regulatory documentation for aircraft products and parts.

Airlines	Authorities	Industry Groups	
ABX Air Air Canada Alitalia Airlines American Airlines	FAA EASA (at a later time)	ATA AIA ARSA ASA	
ATA Airlines Atlas Air	Manufacturers	Suppliers/Distributors	
Continental Airlines Delta Air Lines FedEx Japan Airlines JetBlue Airways Lufthansa Technik	Airbus Boeing Dassault Falconjet GE Aircraft Engines Goodrich Honeywell	AirLiance Materials A.J. Levin M & M Aerospace Hardware Tracer Corp Valtec Aircraft Supply	
Midwest Airlines Northwest Airlines	International Aero Engines Korry Electronics Co	Solution Providers	
Qantas Airways Southwest Airlines United Airlines UPS US Airways	Parker Hannifin Pratt & Whitney Rolls-Royce	Avexus IBM ILS SITA Technology Solutions	

A common electronic data format for eForms:

- Regulatory Forms (ARCs)
 - CAA Form 1
 - CASA Form 1 (CASA Form 917)
 - EASA Form 1 (JAA Form One)
 - FAA Form 8130-3
 - TC Form One (TCCA 24-0078)
- None Regulatory Forms
 - ATA Form 106
 - Certificate of Conformance
 - Certificate of Conformity
 - Transfer Document

Regulatory documentation

What is it?

- A new way to meet existing regulatory requirements
- A replacement of paper forms with computer files
- A common electronic data format
 - Content, structure and syntax
 - Parsable
- A "data-centric" approach
- A comprehensive baseline of data security capabilities
- A shared process for exchanging data
- A set of agreed implementation rules
- An international, open, broad-based industry standard
 ATA Spec 2000 Chapter 16

Guiding Principles

- Standard pertains to exchange of data, not internal company processes
- Meet intent and objectives of governing regulations
- Leverage regulatory guidance regarding digital signature
- Meet legal and liability requirements
- Leverage existing technologies, standards, and best practices where applicable

What are the Benefits?

- Facilitates improved reliability, consistency and timeliness of the data
- Difficult to forge undetected; originals verifiable directly to source
- Reduced lost, or misdirected originals
- No more damaged/mutilated originals
- Reduced errors
- Reduced costs for record retention
- Easier access to historical data
- Easier to integrate with other systems and data

Business Guidelines

- A new eForm will be issued for each transfer/RTS
- A separate eForm will be issued for each part number for non-serialized parts
- A separate eForm will be issued for each serial number for serialized parts
- Each eForm should reference and attach any applicable, immediately prior eForm
- All transmissions of an unaltered, digitally signed eForm are considered originals
- Any paper forms printed from the eForm are considered copies.

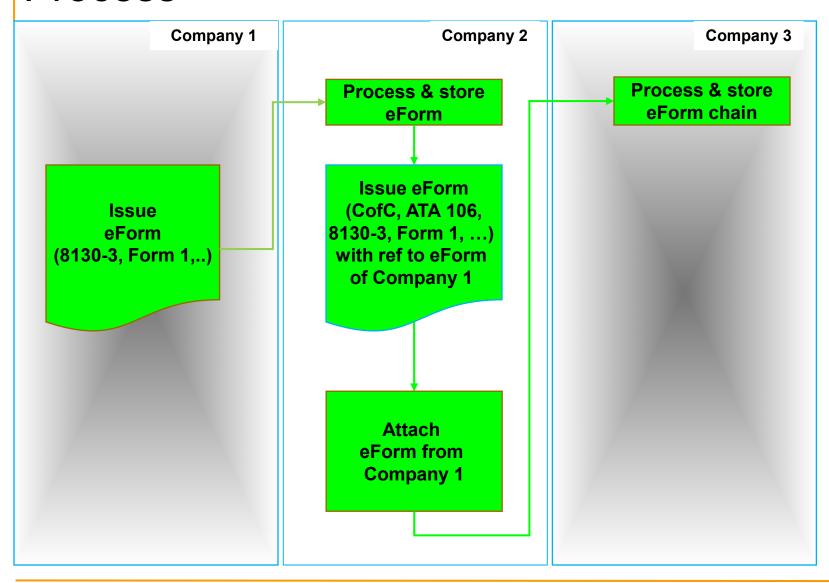
eForm XML Schema

- The data elements that are provided
- Which are mandatory/optional, repeatable
- The sequence in which they're provided
- The application of digital signatures to the data
- References to previous eForms

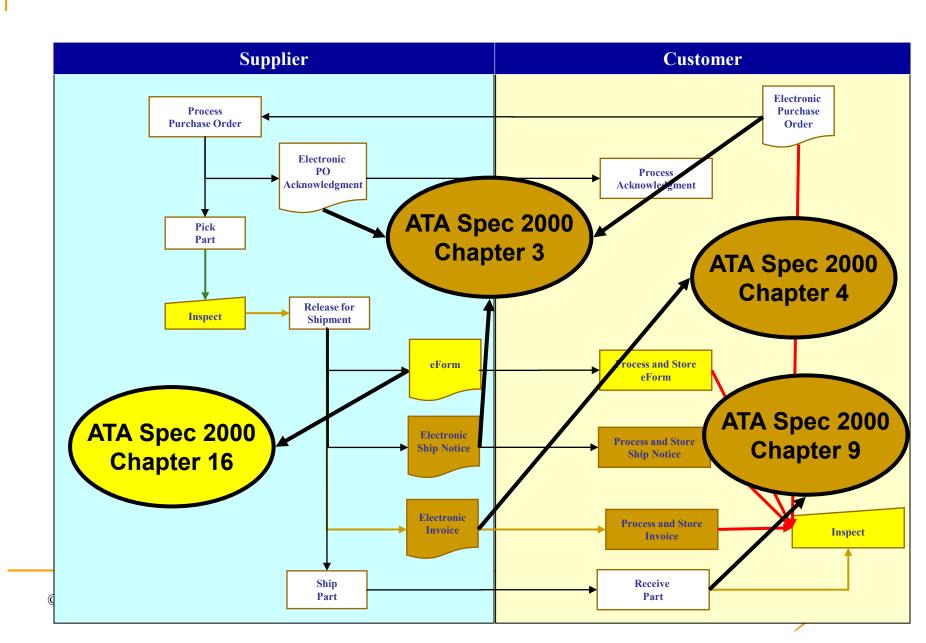
Digital Security

- Objectives
 - Signer authentication
 - Data integrity
 - Non-repudiation
- Solution
 - W3C XML Signature
 - X.509 Digital Certificates
 - Digital Signatures
 - Public Key Infrastructure (PKI)

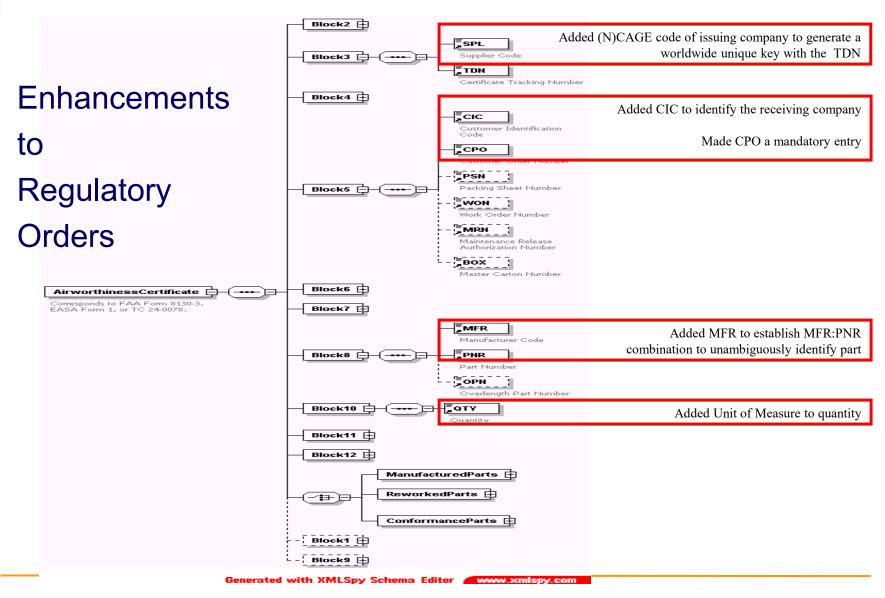
Process

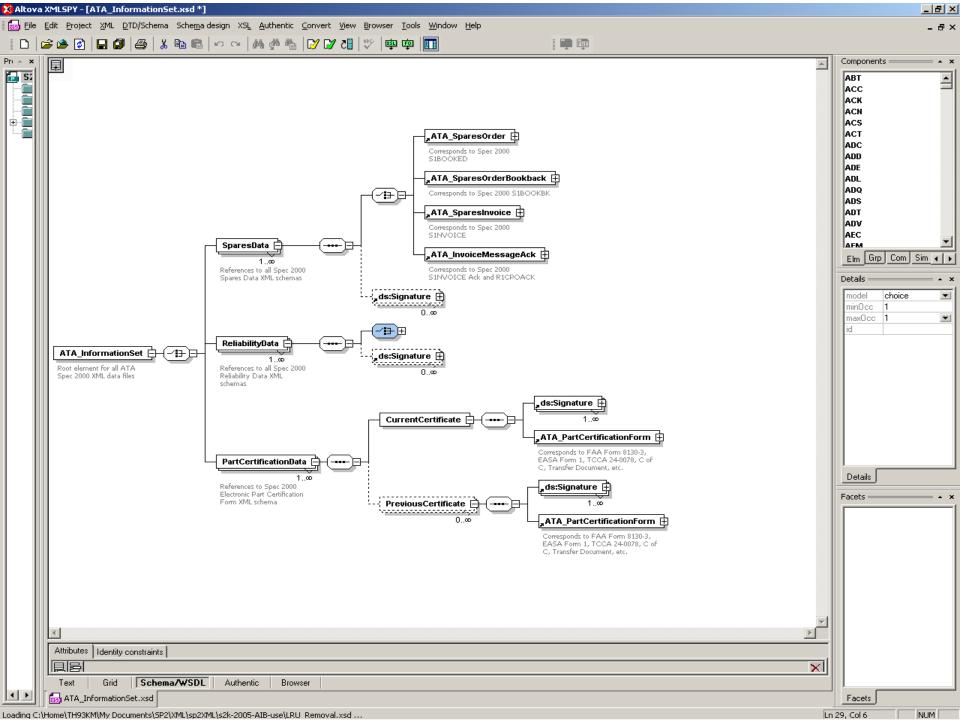


Regulatory documentation – New parts

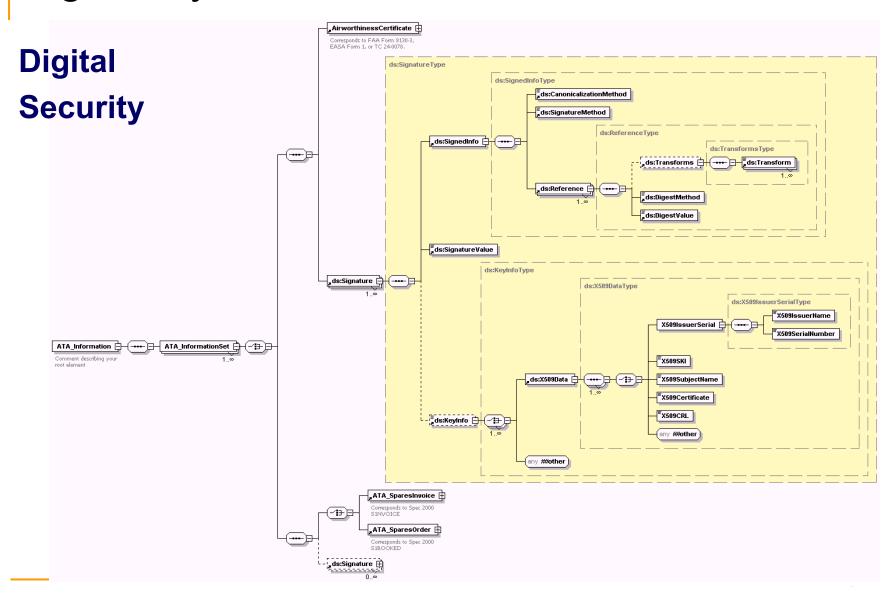


Regulatory documentation

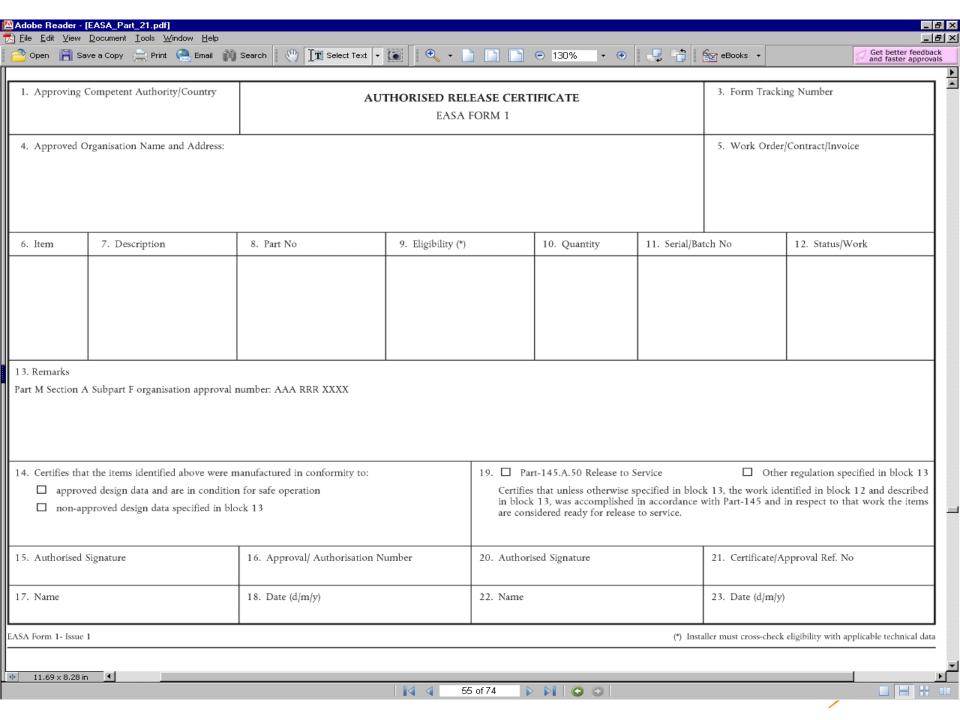




Regulatory documentation



© 2022 warp it AG



XML document

<?xml version="1.0" encoding="UTF-8"?> <ATA PartCertificationForm xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"</p> xsi:noNamespaceSchemaLocation="C:\Home\TH93KM\My Documents\SP2\XML\sp2XML\s2k-2005-AIBuse\ATA_PartCertificationForm_Draft13.xsd" version="1.0" id="IDF6198AS80349934-01001"> <Block2> <CET FVI="ISSUE 1">EASA Form 1</CET> </Block2> <Block3> <TDN>AS80349934-01001</TDN> </Block3> <Block4> <IssuerDetail> <SPL>FAPE3</SPL> <WHO>Airbus Head Quater</WHO> <ADL>1 Rond Point</ADL> <ADL>Maurice Bellonte</ADL> <CIY>Blagnac Cedex</CIY> <ZIP>31707</ZIP> <CNT>FR</CNT> </IssuerDetail> <RemotelssuerDetail> <SPL>D4296</SPL> <WHO>Airbus Spares Support and Services</WHO> <ADL>Weg beim Jaeger 150</ADL> <CIY>Hamburg </CIY> <ZIP>22335</ZIP> <CNT>DE</CNT> </RemotelssuerDetail> </Block4> <Block5> <CIC>SIA</CIC> <CPO>QQQQQ12345</CPO> <BOX>8098288700</BOX> </Block5> <Block6> <LIN>1</LIN> </Block6> <Block7> <PDT>SEAL</PDT> </Block7> <Block8> <MFR>FAPE3</MFR> <PNR>F5453082320200</PNR> </Block8> <Block10> <QTY UNT="EA">4</QTY> </Block10> <Block11> <LOT>L056060300</LOT> </Block11> <Block12> <PSC>Inspected</PSC> <ManufacturedParts> <Block14M> <DDA>A</DDA> </Block14M> <Block15M> <SOF>true</SOF> </Block15M> <Block16M> <ARN>DE.21G.0009</ARN> </Block16M> <Block17M> <NME>GHODSS-A.</NME> </Block17M> <Block18M> <DAT>2005-03-13</DAT> </Block18M> <Block13M> <NewPartsData> <DMF>2005-01-01</DMF> <EXP>2013-01-01</EXP> </NewPartsData> <PreviousCertificate previousCertificateFormat="E"> <SPL>F6198</SPL> <TDN>AS80335364/01001</TDN> <CET>EASA Form 1</CET> </PreviousCertificate> <REM>Inspected as per P 10-01-00 Next PC 2008-12-11</REM> </Block13M> </ManufacturedParts> <Block1> <NAA>Luftfahrt-Bundesamt</NAA> <CNT>DE</CNT> </Block1> <Block9> <MOL>A330</MOL> </Block9> </ATA PartCertificationForm>



XML document

```
<?xml version="1.0" encoding="UTF-8"?>
<ATA PartCertificationForm xmlns:xsi="http://www.w3.org/2001/XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\sp2XML\
use\ATA PartCertificationForm Draft13.xsd" version="1.0" id="IDF6198AS80349934-01001">
                       <Block2>
                                                              <CET FVI="ISSUE 1">EASA Form 1</CET>
                                                                                                                                                                                                                                                                                                          </Block2>
                       <Block3>
                                                              <TDN>AS80349934-01001</TDN>
                       </Block3>
                       <Block4>
                                                              <|ssuerDetail>
                                                                                                     <SPL>FAPE3</SPL> <WHO>Airbus Head Quater</WHO>
                                                                                                     <ADL>1 Rond Point</ADL> <ADL>Maurice Bellonte</ADL>
                                                                                                     <CIY>Blagnac Cedex</CIY> <ZIP>31707</ZIP> <CNT>FR</CNT> 
                                                              <RemotelssuerDetail> <SPL>D4296</SPL>
                                                                                                     <WHO>Airbus Spares Support and Services</WHO>
                                                                                                     <ADL>Weg beim Jaeger 150</ADL> <CIY>Hamburg </CIY>
                                                                                                     <ZIP>22335</ZIP> <CNT>DE</CNT>
                                                                                                                                                                                                                                                                  </RemotelssuerDetail>
                       </Block4>
                       <Block5>
                                                              <CIC>SIA</CIC>
                                                                                                     <CPO>QQQQQ12345</CPO> <BOX>8098288700</BOX>
                                                                                                                                                                                                                                                                                                          </Block5>
                       <Block6>
                                                              <LIN>1</LIN>
                                                                                                                                                                                                                                                                                                          </Block6>
                       <Block7>
                                                              <PDT>SEAL</PDT>
                                                                                                                                                                                                                                                                                                          </Block7>
                       <Block8>
                                                              <MFR>FAPE3</MFR> <PNR>F5453082320200</PNR>
                                                                                                                                                                                                                                                                                                          </Block8>
                       <Block10>
                                                              <QTY UNT="EA">4</QTY>
                                                                                                                                                                                                                                                                                                          </Block10>
                       <Block11>
                                                              <LOT>L056060300</LOT>
                                                                                                                                                                                                                                                                                                          </Block11>
                       <Block12>
                                                              <PSC>Inspected</PSC>
                       </Block12>
                       <ManufacturedParts>
                                                              <Block14M>
                                                                                                     <DDA>A</DDA>
                       </Block14M>
                                                              <Block15M>
                                                                                                     <SOF>true</SOF>
                       </Block15M>
                                                              <Block16M>
                                                                                                     <ARN>DE.21G.xxx1</ARN>
                       </Block16M>
                                                              <Block17M>
                                                                                                     <NME>Klaus Malone.</NME>
                       </Block17M>
                                                              <Block18M>
                                                                                                      <DAT>2022-06-21</DAT>
                       </Block18M>
                                                              <Block13M>
                                                                                                     <NewPartsData>
                                                                                                                                             <DMF>2005-01-01</DMF> <EXP>2013-01-01</EXP>
                                                                                                                                                                                                                                                                  </NewPartsData>
                                                                                                     <PreviousCertificate previousCertificateFormat="E">
                                                                                                                                             <SPL>F6198</SPL>
                                                                                                                                             <TDN>AS80335364/01001</TDN>
                                                                                                                                             <CET>EASA Form 1</CET>
                                                                                                                                                                                                                                                                  </PreviousCertificate>
                                                                                                     <REM>Inspected as per P 10-01-00 Next PC 2008-12-11</REM>
                                                                                                                                                                                                                                                                                                          </Block13M>
                       </ManufacturedParts>
                       <Block1>
                                                                                                     <NAA>Luftfahrt-Bundesamt</NAA>
                                                                                                                                                                                    <CNT>DE</CNT>
                       </Block1>
                       <Block9>
                                                                                                     <MOL>A330</MOL>
                       </Block9>
</ATA_PartCertificationForm>
```

12. Remarks MFR: D9999 OPN: L128456789012345678901234567890 DMF: 2021-08-13 EXP: 2026-08-12 Previous Certificate: EASA Form 1 66-99999 DRAWING: 4711 REV 3 DATED 2019-08-22. I3a. Certifies that the items identified above were manufactured in conformity to: Approved design data and are in a condition for safe operation. On-approved design data specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service. 13b. Authorised Signature Digital Signature on File DE.21G.XXXX1 INSPECTED/TESTED 14a. S12345678901234 INSPECTED/TESTED 14a. Part.145.A.50 Release to Service Certifies that unless otherwise specified in block 12, the work identified in block 12 considered ready for release to service. 14a. Part.145.A.50 Release to Service Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part.145 and in respect to that work the items are considered ready for release to service. 13b. Authorised Signature Digital Signature on File									
4. Organisation Name and Address D3939 Warp-It AG Ahornweg 5 Pleiskirchen, 84583 GERMANY 8. Part No. 1 COMPUTER A12345678901234 BEA S12345678901234 INSPECTED/TESTED MFR: D9899 DAWNG: 4717 REV 3 DATED 2019-08-22. DAWNG: 4717 REV 3 DATED 2019-08-22. S2. Certifies that the items identified above were manufactured in conformity to:	1. Approving Competent Authority/Country AUTHORISED RELEASE CERTIFICATE						3. Form Tracking Number		
warp-it AG Ahornweg 5 Pielskirchen, 84568 GERMANY 8. Pert No. 1 Computer 1 COMPUTER A12345678901234 8. Part No. 1 Description A12345678901234 1 COMPUTER A12345678901234 1 Status-Work 1 COMPUTER A12345678901234 1 Status-Work 1 COMPUTER A12345678901234 INSPECTED/TESTED DIMF: 2027-08-13 EXP: 2026-08-12 Previous Certificate: EASA Form 1 - 66-99999 DRAWING: 471 IREV 3 DATED 2019-08-22. 3a. Certifies that the items identified above were manufactured in conformity to: Certifies that the items identified above were manufactured in conformity to: Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12. 3a. Certifies that unless contenues a coordance with Part-145 and in respect to that work the items are considered ready for release to service. 3b. Authorised Signature Digital Signature on File DE.21G.XXXXX1 15d. Name 15e. Date (ddimmmryyyyy) 15e. Date (ddimmmryyyyy) 15e. Date (ddimmmryyyyy) 15e. Date (ddimmmryyyyy) 15e. Date (ddimmmryyyy) 15e. Date (ddimmmryyyyy) 15e. Date (ddimmmryyyy) 15e. Date (ddimmmryyyyy) 15e. Date (ddimmmryyyyy)	EASA/GERMANY EASA F			FORM 1				CERT12345678901	
6. Rem 7. Description 8. Part No. 9. Quantity 10. Serial Batch No. 11. Status Work 1 COMPUTER A12345678901234 INSPECTED/TESTED MFR: D8999 OPR: L1:224567890123456789	D9999 warp-it AG Ahornweg ! Pleiskirche	5 5 en, 84568	,				Пп	Customer: SIA Order: PO123456789 Ship Advise: 9998288799 Work Order: 4711abc MRN: M123456789012345	
12. Remarks MFR: D9999 OPN: LL123456789012345678901234567890 DMF: 2021-08-13 EXP: 2026-08-12 Previous Certificate: EASA Form 1 66-99999 DRAWING: 4711 REV 3 DATED 2019-08-22. 13a. Certifies that the items identified above were manufactured in conformity to: Approved design data and are in a condition for safe operation. On-approved design data and are in a condition for safe operation. On-approved design data and are in a condition for safe operation. Digital Signature Digital Signature Digital Signature Digital Signature on File 13c. Approval /Authorisation Number DE.21G.XXXX1 13d. Name 13e. Date (dd/mmm/yyyy) 14d. Name 14e. Date (dd/mmm/yyyy) User/Installer Responsibilities This certificate does not automatically constitute authority to install. Where working in accordance with the national regulations of an Airworthiness Authority of the country specified in block 1, the user/installer shall ensure that their Airworthiness Authority of the country specified in block 1, the user/installer shall ensure that their Airworthiness Authority of the country specified in block 1, the user/installer shall ensure that their Airworthiness Authority accepts items from the Airworthiness Authority of the country specified in block 1, the user/installer shall ensure that their Airworthiness Authority accepts items from the Airworthiness Authority of the country specified in block 1, the user/installer shall ensure that their Airworthiness Authority accepts items from the Airworthiness Authority of the country specified in block 1.							MI	13 P	
MFR: D9999 OPN: LL128456789012345678901234567890 DMF: 2021-08-13 EXP: 2026-08-12 Previous Certificate: EASA Form 1 66-99999 DRAWING: 4711 REV 3 DATED 2019-08-22. 33. Certifies that the items identified above were manufactured in conformity to:	6. Item 7	-		9. Quantity	10. Seri	11 11 77	, -		
DMF: 2021-08-13 EXP: 2026-08-12 Previous Certificate: EASA Form 1 66-99999 DRAWING: 4711 REV 3 DATED 2019-08-22.	1	COMPUTER	A12345678901234	TEA	9	S12345678901234		INSPECTED/TESTED	
approved design data and are in a condition for safe operation. non-approved design data specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service. 13b. Authorised Signature Digital Signature on File DE.21G.xxxx1 13c. Approval /Authorisation Number DE.21G.xxxx1 14d. Name 14d. Name 14d. Date (dd/mmm/yyyy) Light Name User/Installer Responsibilities This certificate does not automatically constitute authority to install. Where working in accordance with the national regulations of an Airworthiness Authority of the country specified in block 1, the user/installer shall ensure that their Airworthiness Authority accepts items from the Airworthiness Authority of the country specified in block 1. Statements in block(s) 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by	DMF: 2021 EXP: 2026- Previous C	DMF: 2021-08-13 EXP: 2026-08-12 Previous Certificate: EASA Form 1 66-99999							
Digital Signature on File DE.21G.xxxx1 13d. Name 13e. Date (dd/mmm/yyyy) 14d. Name 14e. Date (dd/mmm/yyyy) 14d. Name User/Installer Responsibilities This certificate does not automatically constitute authority to install. Where working in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1, the user/installer shall ensure that their Airworthiness Authority accepts items from the Airworthiness Authority of the country specified in block 1. Statements in block(s) 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by	X approved	l design data and are in a condit	ion for safe operation.	Certifies that ur block 12, was a	nless oth	nerwise specified in block shed in accordance with P	12, the w	ork identified in block 11 and described in	
13e. Date (dd/mmm/yyyy) Klaus Malone 13e. Date (dd/mmm/yyyy) 21/JUN/2022 User/Installer Responsibilities This certificate does not automatically constitute authority to install. Where working in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1, the user/installer shall ensure that their Airworthiness Authority accepts items from the Airworthiness Authority of the country specified in block 1. Statements in block(s) 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by	13b. Authorised S	ignature	13c. Approval /Authorisation Number	14b. Authorised Sign	nature		14c. Cer	tificate/Approval Ref. No.	
Where working in accordance with the national regulations of an Airworthiness Authority of the country specified in block 1, the user/installer shall ensure that their Airworthiness Authority accepts items from the Airworthiness Authority of the country specified in block 1. Statements in block(s) 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by	Digita	al Signature on File	DE.21G.xxxx1						
User/Installer Responsibilities This certificate does not automatically constitute authority to install. Where working in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1, the user/installer shall ensure that their Airworthiness Authority accepts items from the Airworthiness Authority of the country specified in block 1. Statements in block(s) 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by	13d. Name		13e. Date (dd/mmm/yyyy)	14d. Name			14e. Dat	e (dd/mmm/yyyy)	
This certificate does not automatically constitute authority to install. Where working in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1, the user/installer shall ensure that their Airworthiness Authority accepts items from the Airworthiness Authority of the country specified in block 1. Statements in block(s) 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by		Klaus Malone	21/JUN/2022						
Where working in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1, the user/installer shall ensure that their Airworthiness Authority accepts items from the Airworthiness Authority of the country specified in block 1. Statements in block(s) 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by	User/Installer Responsibilities								

High level process steps with certificates							
without eForm Remarks with eForm Remarks							
Quotation							
QuoteResponse to customer		QuoteResponse to customer					
Certificate copy as PDF	Verification manually and difficult	ATA_PartCertificationForm "eForm" # x	Verification of authenticy possible				

High level process steps with certificates							
without eForm	ith eForm	Remarks					
Quotation							
QuoteResponse to customer		QuoteResponse to customer					
Certificate copy as PDF	Verification manually and difficult	ATA_PartCertificationForm "eForm" # x	Verification of authenticy possible				
	Purch	aseOrder					
PurchaseOrderStatus to customer		PurchaseOrderStatus to customer					
		ATA_PartCertificationForm "eForm" # x +1 and all previous eForms	Receipt before shipment left supplier dock. eForm verification and data capturing done automatically				
Shipment		Shipment					
Certificate as Paper	Verification manually and sometimes difficult Data capturing might leave room fo interpretation.	r					

	High level process s	teps with certificates					
without eForm	Remarks wit	Remarks					
Quotation							
QuoteResponse to customer		QuoteResponse to customer					
Certificate copy as PDF	Verification manually and difficult	ATA_PartCertificationForm "eForm" # x	Verification of authenticy possible				
	Purcha	seOrder					
PurchaseOrderStatus to customer		PurchaseOrderStatus to customer					
		ATA_PartCertificationForm "eForm" # x +1 and all previous eForms	Receipt before shipment left supplier dock. eForm verification and data capturing done automatically				
Shipment		Shipment					
Certificate as Paper	Verification manually and sometimes difficult Data capturing might leave room for interpretation.						
	Repai	rOrder					
RepairOrderSubmittal to repair shop		RepairOrderSubmittal to repair shop					
		ATA_PartCertificationForm "eForm" # x +1 and all previous eForms	Receipt before shipment left customer dock. eForm verification and data capturing is done automatically				
RepairOrderStatus to customer		RepairOrderStatus to customer					
		ATA_PartCertificationForm "eForm" # x +1 and all previous eForms	Receipt before shipment left supplier dock. eForm verification and data capturing is done automatically				
Shipment		Shipment					
Certificate as Paper	Verification manually and sometimes difficult Data capturing might leave room for interpretation.						

Thank You!

Questions?

