

PDF/E
(ISO 14739)

PRC
(ISO 14739)

Phil Spreier
3D PDF Consortium



Parts+Catalogs-1.pdf
Customize ▾

1 / 1
64%
Tools | Sign | Comment

Model Tree

- model
 - node
 - FRT DR PNL COMP.1
 - LATCH ASY DR RH.1
 - (891224-5-A) PAWL ASY.1
 - (891208A) PAWL-D21.1
 - (891210A) ENCAPSULATION_PAWL ASY.1
 - (A10124) PIN PAWL SHOULDER.1
 - (F10276) HOUSING SEAL.1
 - (F10276) HOUSING-LATCH.1
 - (921208) RATCHET ASY.1
 - BACKPLATE.1
 - (F10090) LEVER-LINK.1
 - (959002) LEVER-O_S REL ROD OPR.1
 - (023504) LEVER_INSIDE RELEASE.1

Options ▾

- Top
- Left
- Front
- Bottom
- Back
- Right

Property	Value

LATCH ASY DR RH Date 10/2/2009

Supplier Name Dura

Address 1434 Spruce Street, Boulder, CO 80302, USA

Phone 800-555-1212

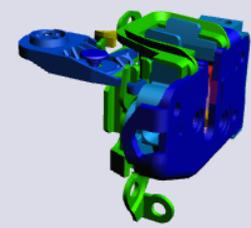
Plant Boulder

Platform Truck Heavy

Program F-350

Year 2009

ID	Part Description	Qty
S107	(891208A) PAWL-D21	1
S109	(891210A) ENCAPSULATION_PAWL ASY	1
S111	(A10124) PIN PAWL SHOULDER	1
S113	(F10276) HOUSING SEAL1	1
S115	(F10276) HOUSING SEAL3	1
S117	(F10276) HOUSING LATCH10	1
S119	(021208) RATCHET PLASTIC ENCAP	1
S121	(021208) RATCHET	1
S123	BACKPLATE	1
S125	(F10090) LEVER-LINK	1
S127	(959002) LEVER-O_S REL ROD OPR	1
S129	(023504) LEVER-INSIDE RELEASE	1
S131	(F10076) LVR-PLASTIC_L_S_LK	1
S133	(921208) LEVER-O_S LOCK	1
S135	(A10076) BINET	1
S137	(911202) FRAME PLATE	1
WI-04330	INSTALLATION INSTRUCTIONS	1
MTG-415-291	MOUNTING STRAP	2
MTG-415-201	BUMPER, RUBBER	4
DOC-100058	WARRANTY	1
MTG-404-521	LOCATOR CLIPS	1



views ▾ Expand Collapse

Related Programs

F-250; F-150; Econoline Van

Shipping Instructions

Unless otherwise stated in a product manual, preparing a device for shipment should be as follows:

Fragile.
Contents susceptible to impact.
Hand carry.

Assembly Plant	Louisville	Weight (lbs)	19.3
Cost/MSRP	357.63	Shipping Weight (lbs)	25.5
Availability Date	7/29/2009	Shipping Dimensions	12.5 x 7.3 x 7.9
Effectivity Date	7/25/2009		
Effectivity Rev.	5		
PPAP Date	5/22/2009 12:00:00		
Volume	100000		
Inventory	1000		



Ω automotive
A Division of Anark Corp.
info@anark.com
303.545.2592



ISO Standards

PDF/E

ISO 24517-1:2008

Engineering format. Covers 3 primary areas:

1. Incorporation of complex engineering data (3D, etc.)
2. Accurate printing of engineering drawings
3. Support for secure exchange/management of annotation and markup data

PDF/E files must include:

- Embedded fonts
- Device-independent color
- XMP for metadata

PDF/E files may not include:

- External content references
- JavaScript not associated with 3D
- Dynamic (XFA based) forms



ISO Standards

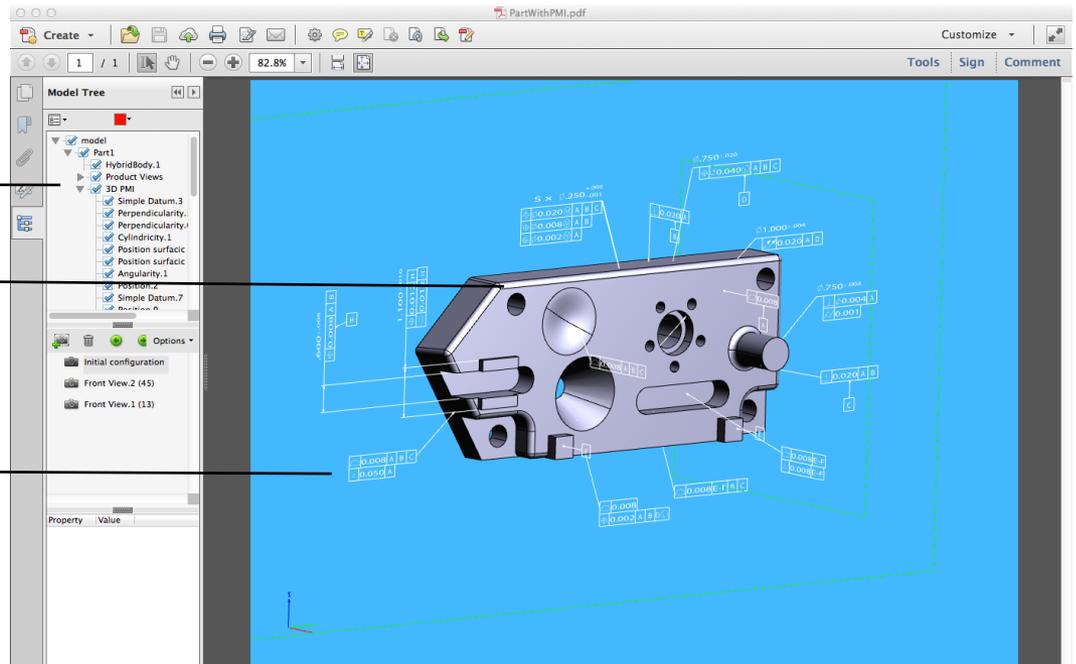
PRC

ISO 14739-1

Product Representation Compact

Support for complex engineering data

Product Structure
Precise B-Rep
PMI
(Product and Manufacturing Information)



ISO Standards

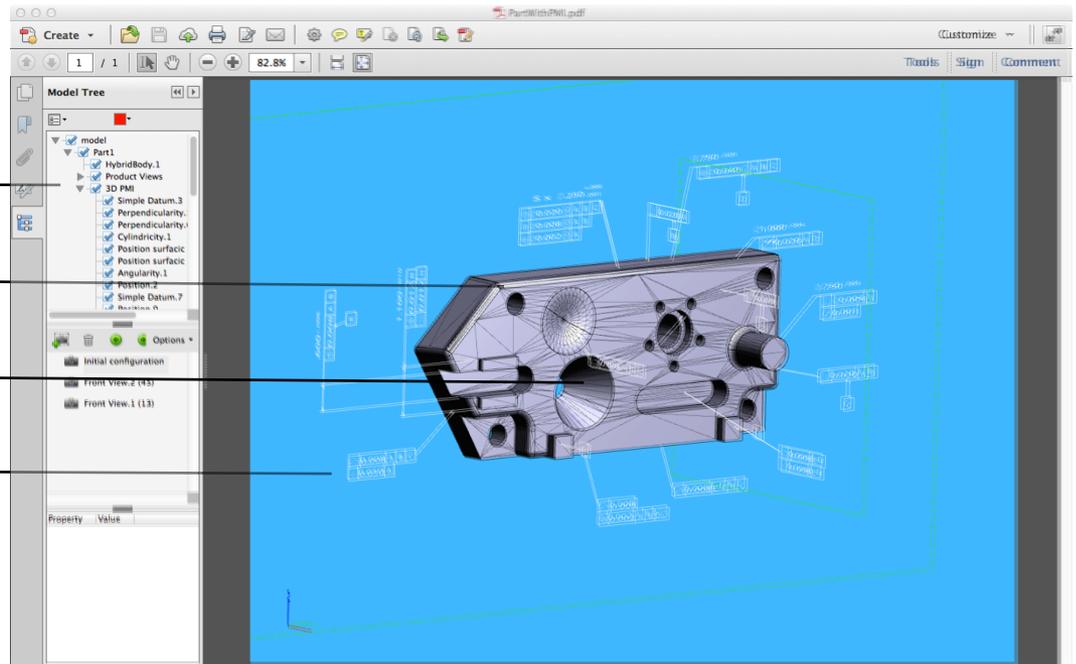
PRC

ISO 14739-1

Product Representation Compact

Support for complex engineering data

- Product Structure
- Precise B-Rep
- Tessellation
- PMI
(Product and Manufacturing Information)

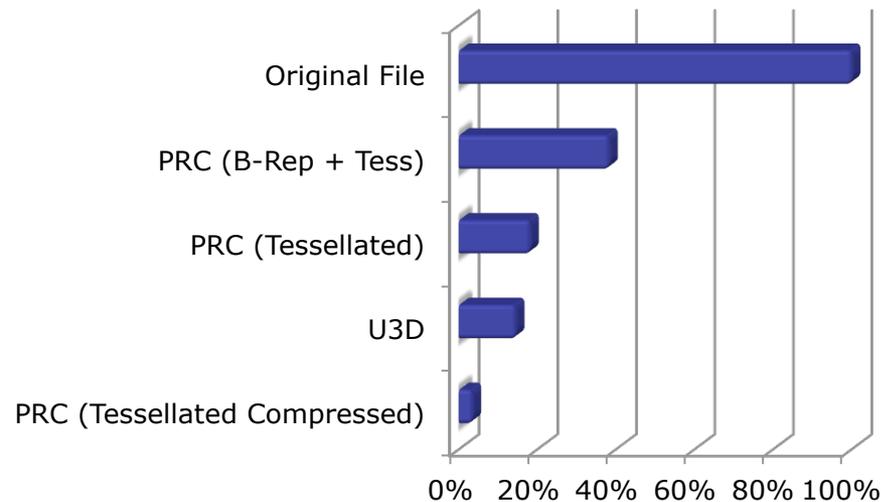


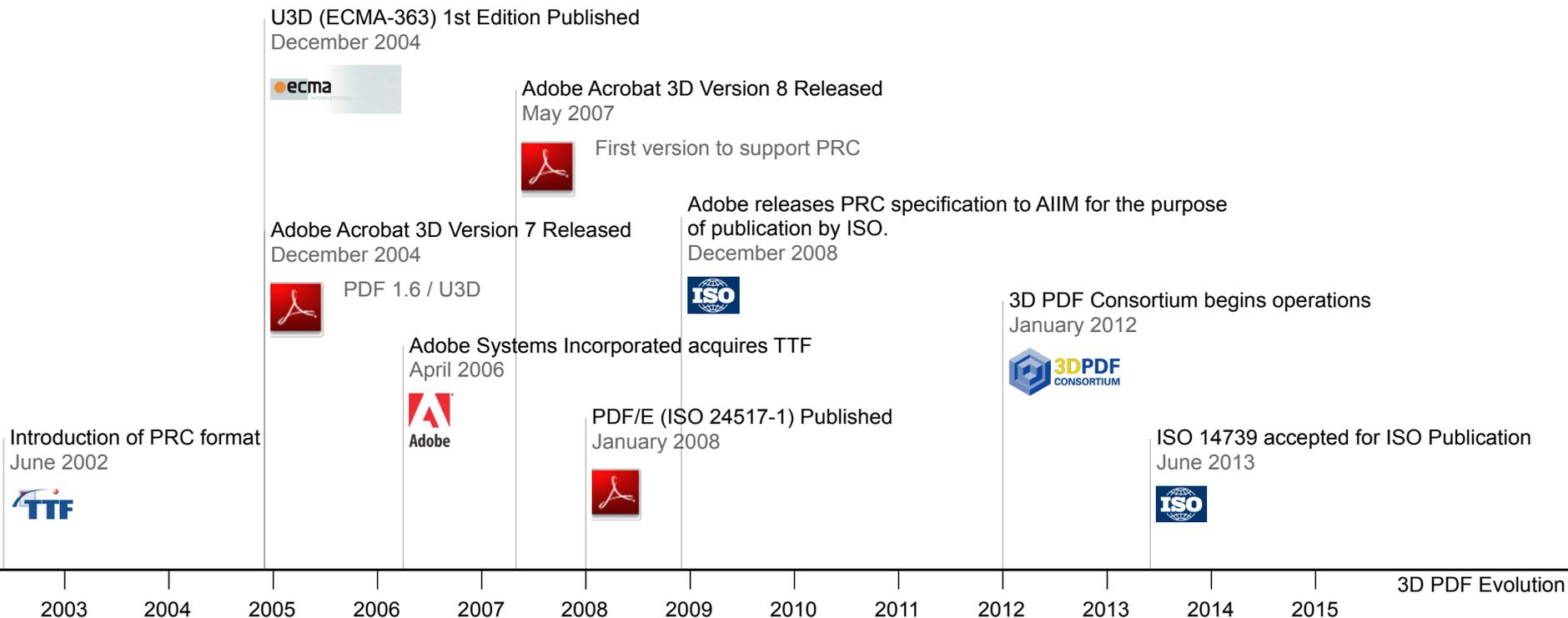
U3D – Presentation Format

- ECMA standard (ECMA 363-3)
- Only supports tessellated data
- No longer actively developed

PRC – Engineering Format

- Product Structure
- Tessellation
- Precise B-Rep
- Product and Manufacturing Information
- **Highly compact**





3D PDF – Where is it going?

PDF/E

ISO 24517-2

Archival format for 3D engineering content

Aligned with ISO 32000-2 (PDF 2.0) for engineering features

- PRC
- Geospatial (GIS)
- 2D & 3D Measurements
- 3D JavaScript

PRC

ISO 14739-2

Align standard with industry workflows such as:

- Validation
- RFI / RFQ
- Assembly / Work instructions
- Etc.

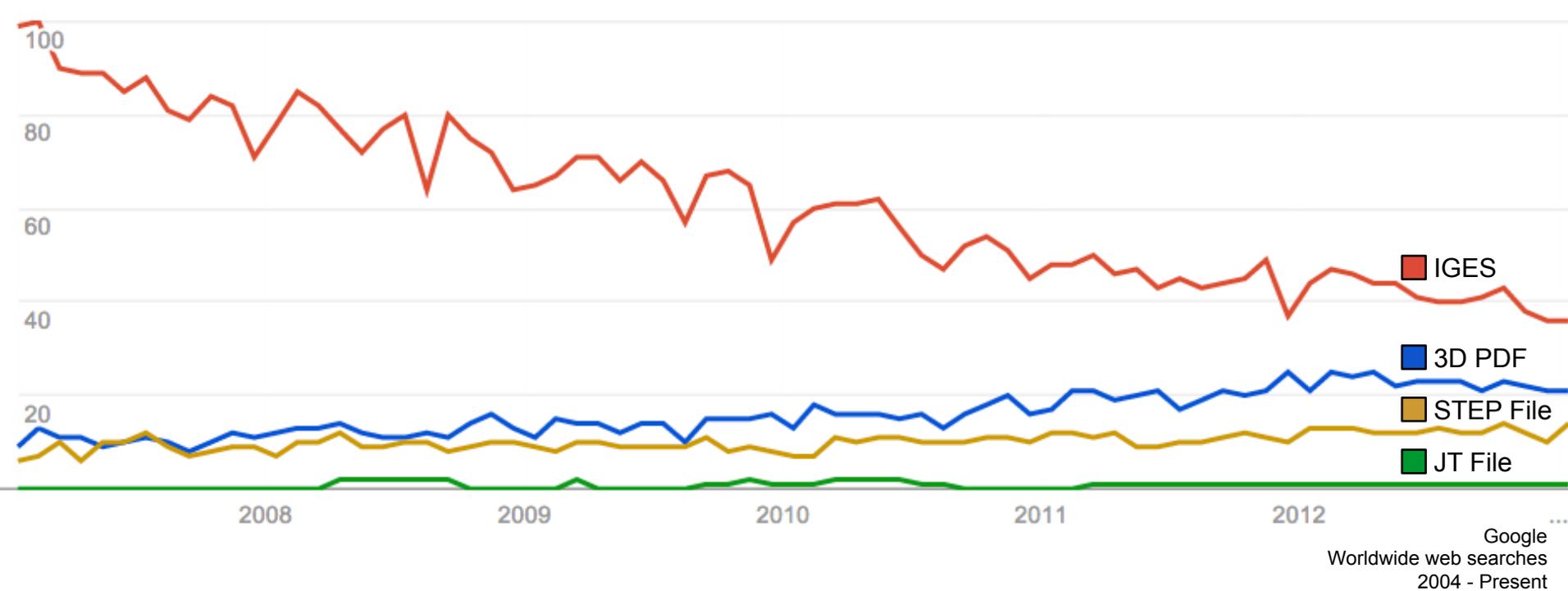


Why should you care?



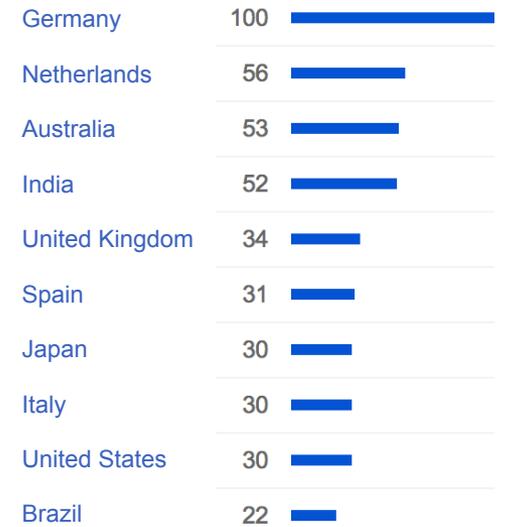
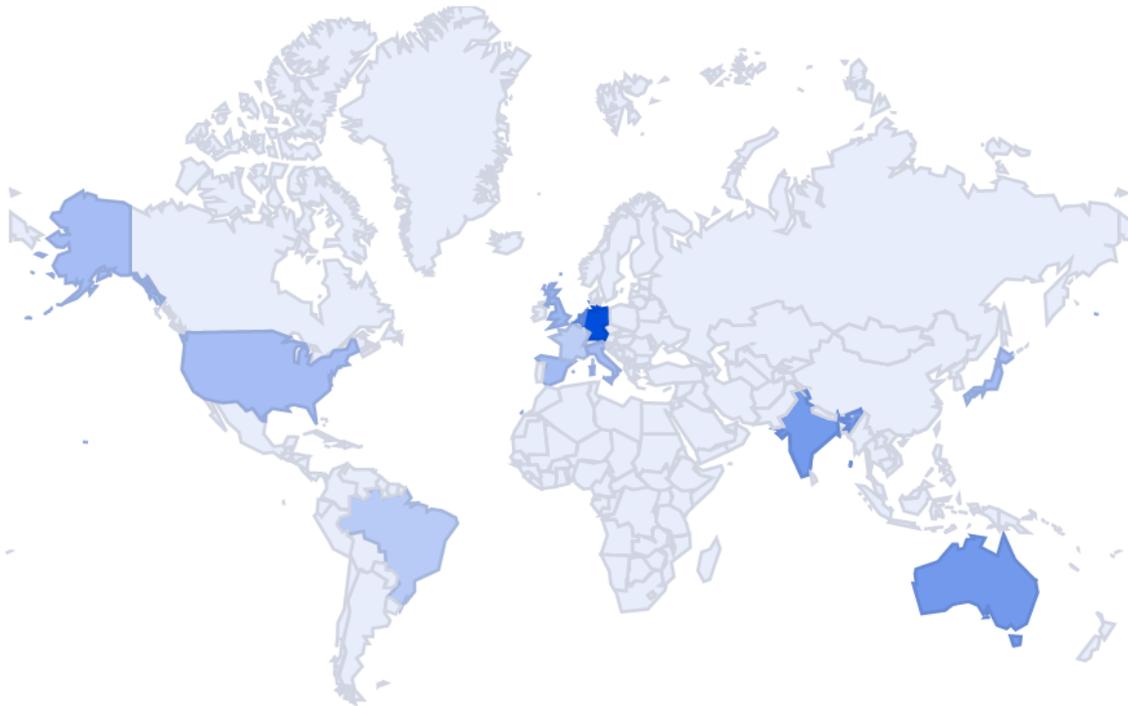
© Scott Adams, Inc./Dist. by UFS, Inc.





3D PDF - Trends





3D PDF – Regional Interest



How to find out more about 3D PDF

www.pdfa.org

- Attend the breakout session
- Talk to the PDF Association
<http://www.pdfa.org>
- Visit the 3D PDF Consortium
<http://www.3dpdfconsortium.org>
- Email us
phil.spreier@3dpdfconsortium.org
david.opsahl@3dpdfconsoritum.org

