ISO 10303 standard
STEP AP 242
for
Managed Model Based
3D Engineering
For the aerospace, automotive, 
& other mechanical manufacturers
and their suppliers

PDM
Part identification, Physical part
Characteristics, Document Management
General management information
Activity and work management
Effectivity
Specification, Breakdown and configuration

Presentation
3D shape
Data Quality
2D draughting

3D Machining
Form Features
3D PMI
(Product & Manufacturing
Information)

3D Composite design

Process Plans
Requirements
Design Rules
Mating
definition

3D assembly
constraints
3D kinematics
T0 T1 T2

http://www.ap242.org/