

MASTER DATA ACQUISITION USING eOTD

Dr Salomon de Jager

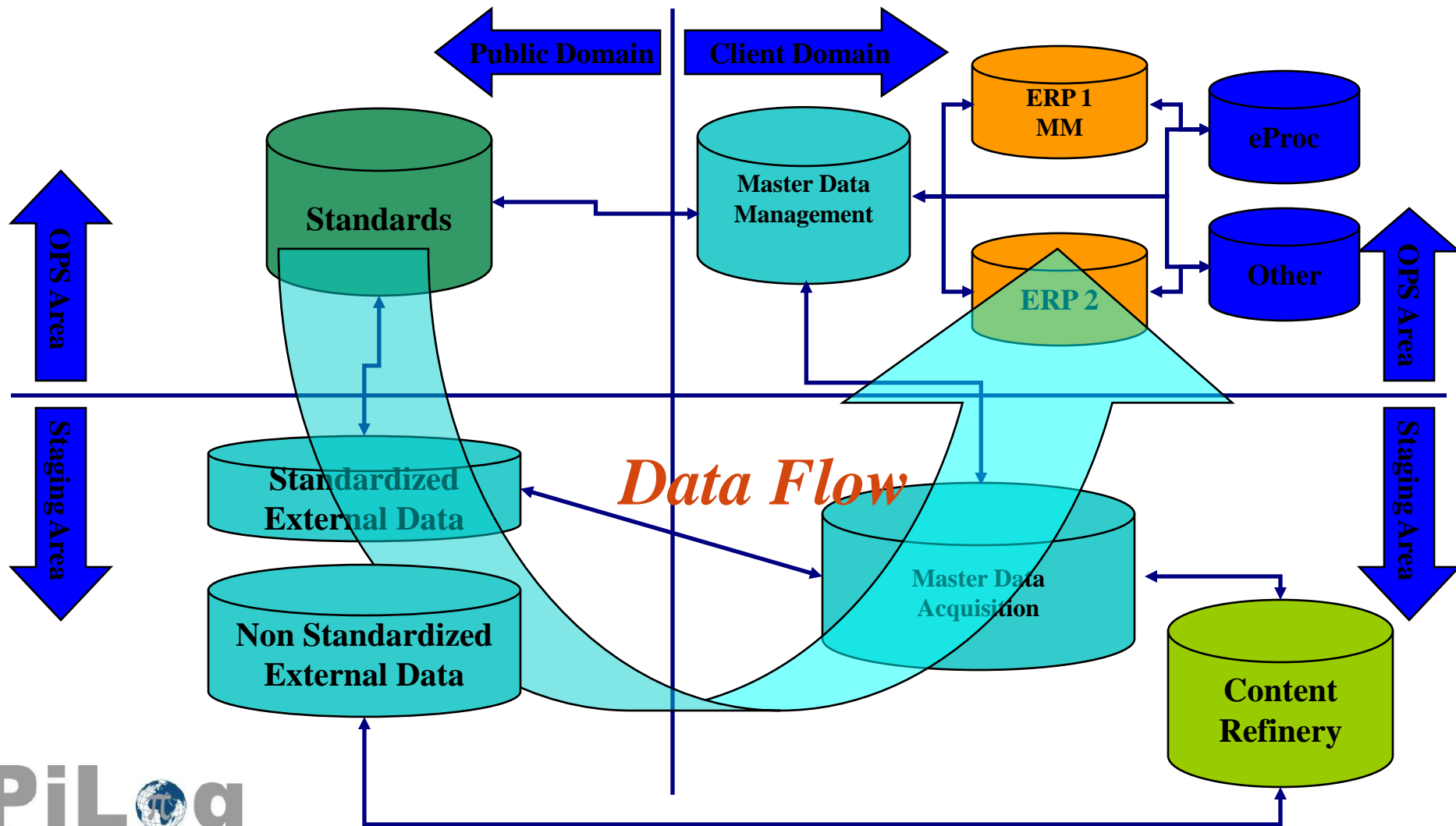
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ECCMA 10th Anniversary Conference

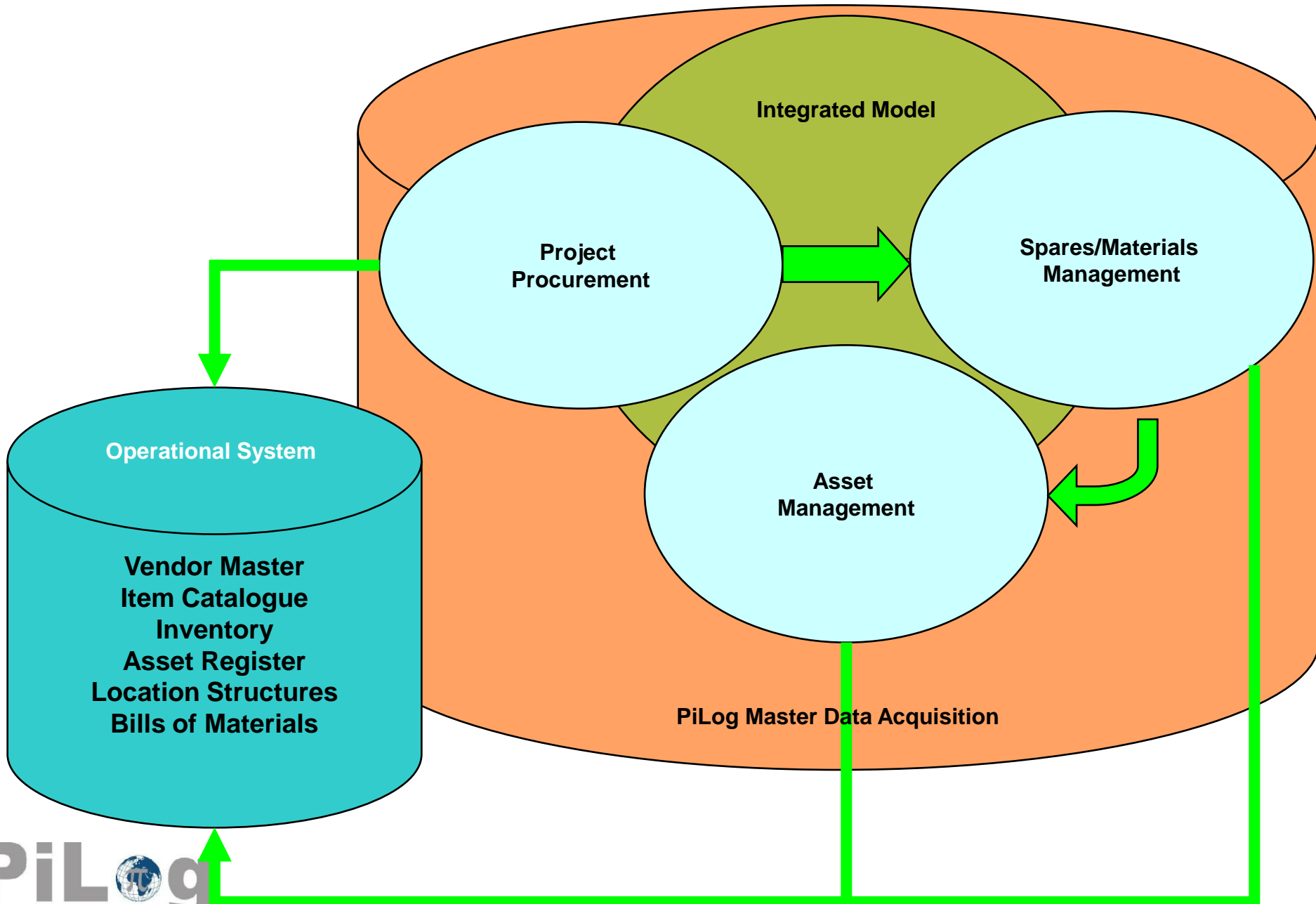
27th to 29th October 2009

Cataloging at Source - the last piece of the puzzle

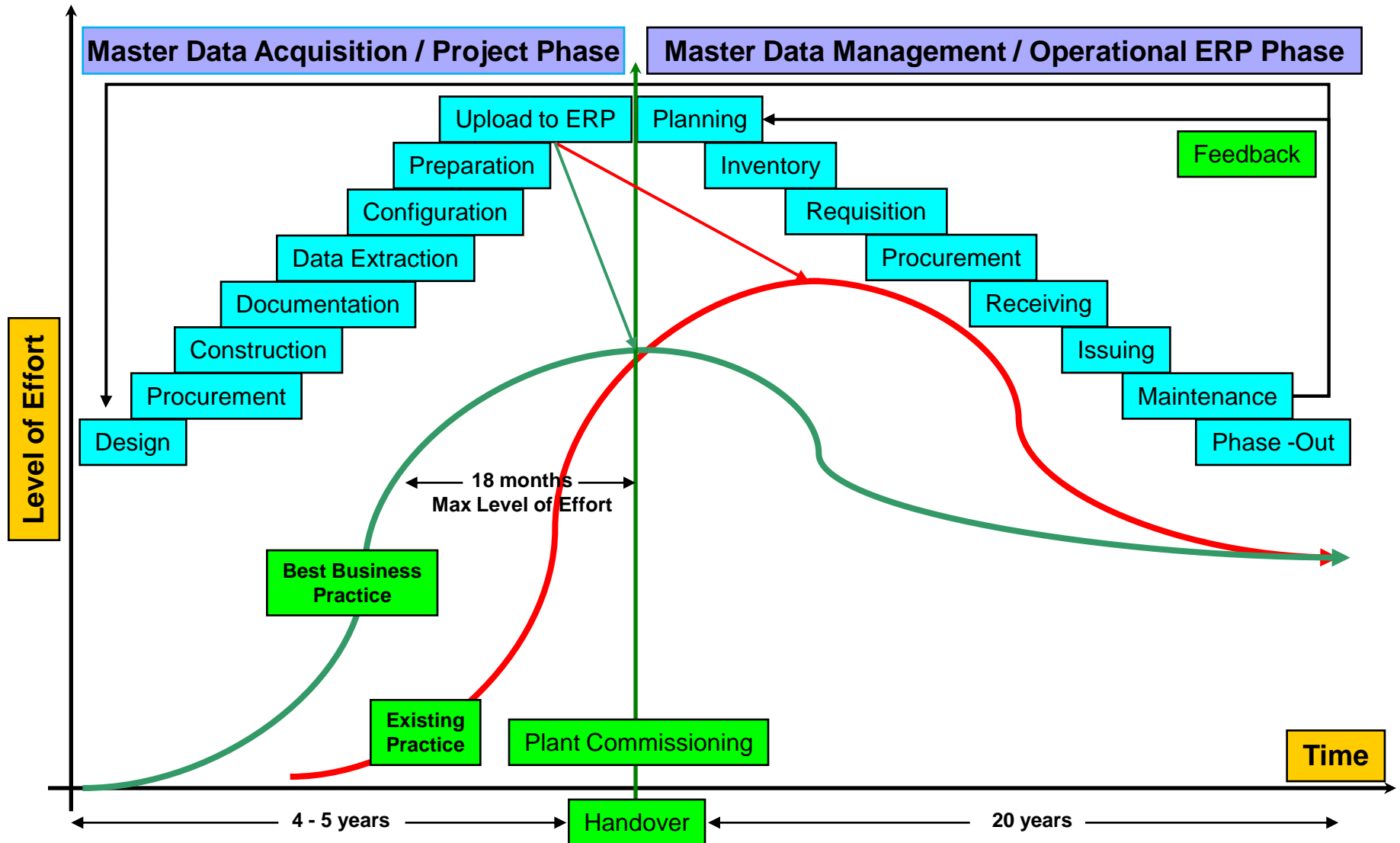
Master Data Management Quadrants



C@S – MDA



Master Data Overview – From the Cradle to the Grave



Master Data Acquisition for ERP Operation

Baseline Establishment and Equipment Life Cycle Management Principles

Managing the Acquisition of Master Data

Equipment Baseline Creation and Management

Sourced from: Eng Design Specs, OEM Prescriptions, Design Drawings.....

Equipment Configuration Definition

Maintenance Significant Item Identification

Maintenance Task Definition

Maint & Ops Resource Requirements

Document Management

Material Item Master Creation

Driven By Operational Requirements – Data requirement statements

Equipment and Operations Management

Operations planning and execution

Long Term Maintenance Planning

Procurement Management

Breakdown Maintenance

Short Term Plans (WIP)

Inventory Management

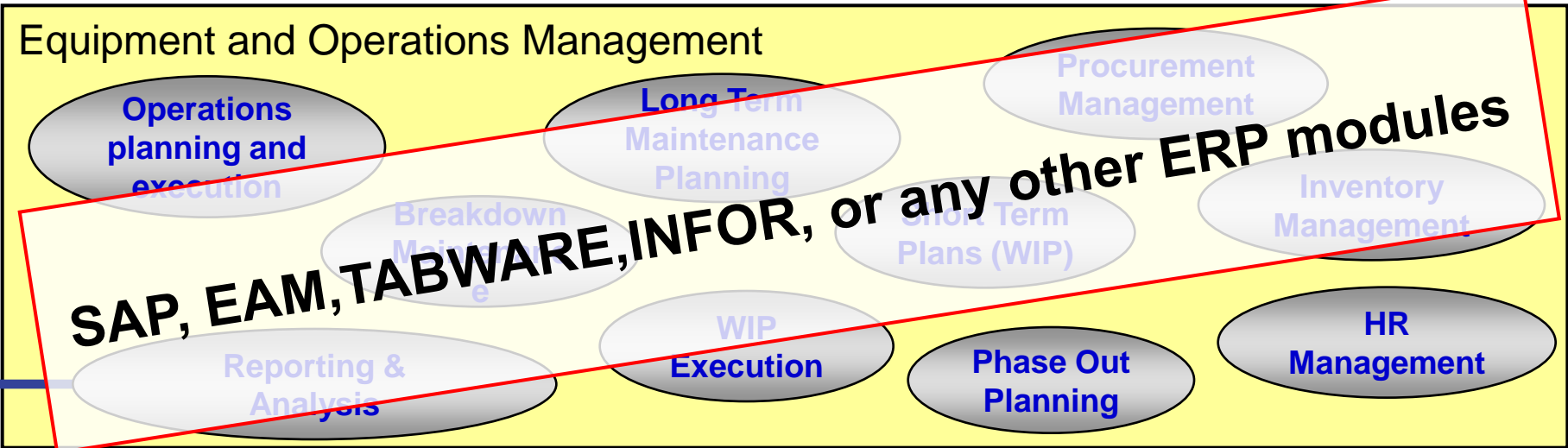
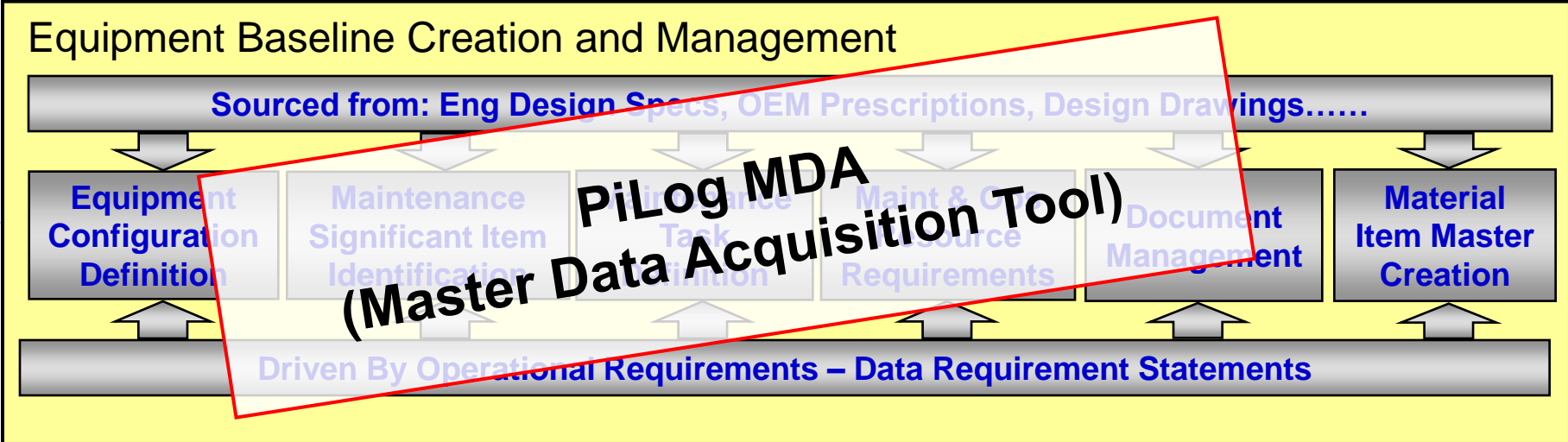
Reporting & Analysis

WIP Execution

Phase Out Planning

HR Management

Managing the Acquisition of Master Data

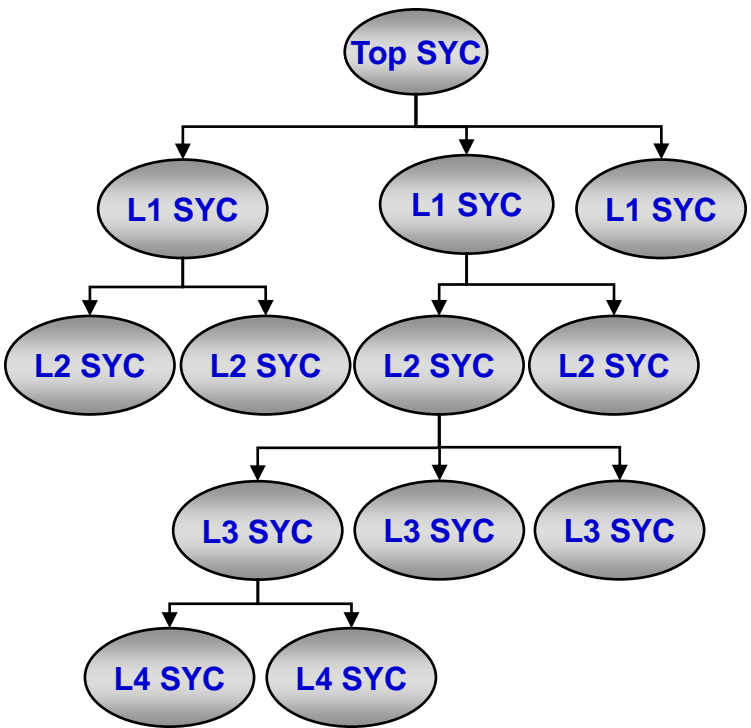


Master Data

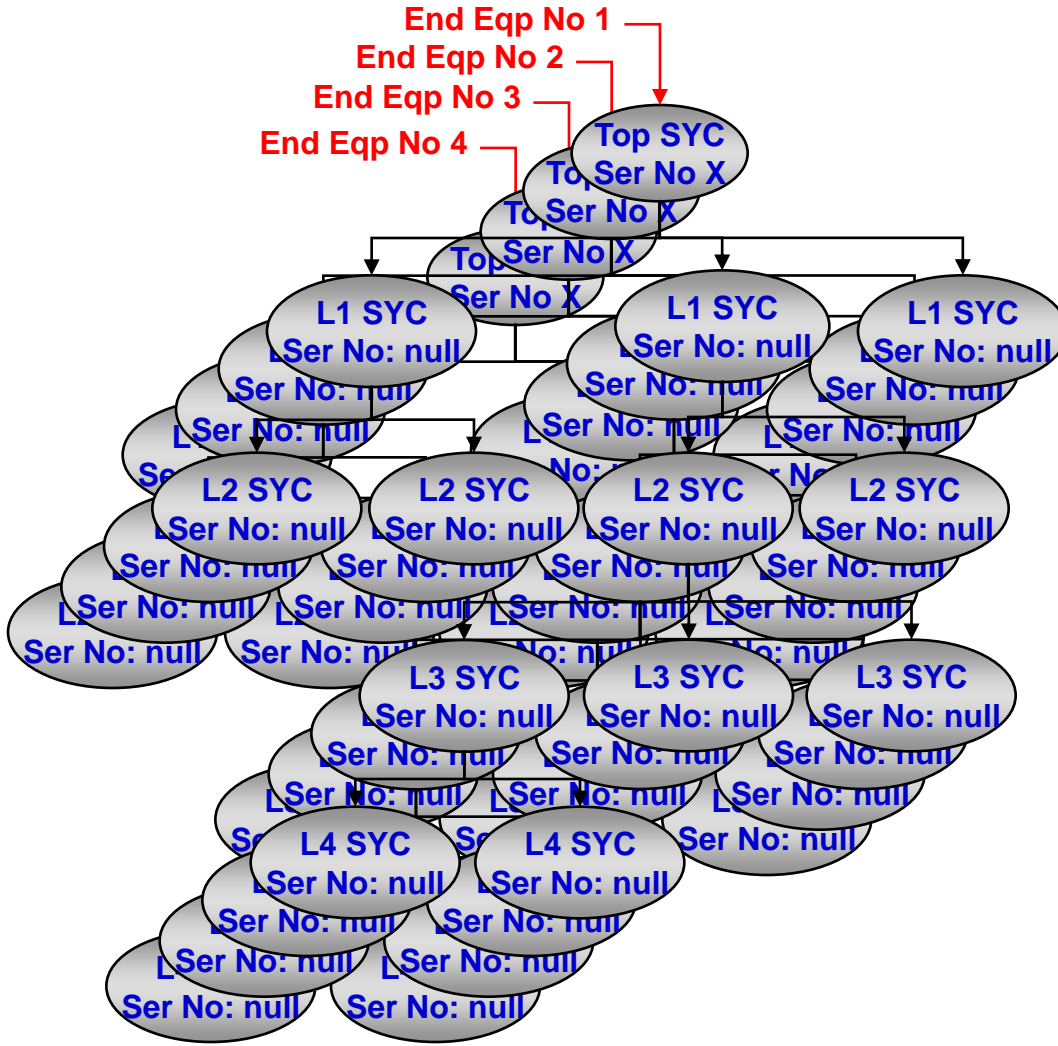
Equipment Configuration Management

Structure Types

Generic Structure



Specific Structure



Generic Structure

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PILOG COMPONENT MANAGEMENT

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 - Specific System Structure
 - Structure Associations
 - Standard Task Management
- Structure Builder
 - Location Tree Structure
 - Generic System Structure
 - Location Structure Builder
 - Generic Structure Builder
 - Specific Structure Builder

Project Location	Contracts Generic System	Vendor Specific System	Equipment
Generic Structure			
AK912-TOP - Gottwald AK912 Crane			
AK912-TOP, Gottwald AK912 Crane			
AK912-01, Base machine (Chassis No.129178)			
AK912-01-0 CW, Counterweight grouping			
AK912-01-01, Counterweight			
AK912-01-02, Counterweight			
AK912-01-03, Counterweight			
AK912-01-04, Counterweight			
AK912-01-05, Counterweight			
AK912-01-06, Counterweight			
AK912-01-28, Rear Strut			
AK912-01-29, Roker beam			
AK912-01-30, Roker beam			
AK912-01-31, Roker beam			
AK912-01-32, Roker beam			
AK912-01-33, Steel Plates (Maxi tray)			
AK912-01-34, Steel Plates (Maxi tray)			
AK912-01-35, Steel Plates (Maxi tray)			
AK912-01-36, Tackle tool box			
AK912-01-37, Tower cap			
AK912-01-38, Tower taper			
AK912-01-0 OutRigg Assy, Outrigger Assembly			
AK912-02, Carrier Super Structure			
AK912-03, Container (office)			
AK912-04, Container 12m (pendant ropes)*			
AK912-05, Container 6m (Tackle)*			
AK912-06, Container 6m*			

Standard Tasks Grids	Equipment Type Grids	End Equipment Grids	Equipment Grids
Generic Structure Tree	Generic Structure Grids	Materials Grids	Parts Grids
Generic Structure			
AK912-01-0 OutRigg Assy, Outrigger Assembly			
AK912-01-16, Outrigger beam			
AK912-01-17, Outrigger beam			
AK912-01-18, Outrigger beam			
AK912-01-19, Outrigger beam			
AK912-01-20, Outrigger Mat			
AK912-01-21, Outrigger Mat			
AK912-01-22, Outrigger Mat			
AK912-01-23, Outrigger Mat			
AK912-01-24, Outrigger pad			
AK912-01-25, Outrigger pad			
AK912-01-26, Outrigger pad			
AK912-01-27, Outrigger pad			

Generic System Structure

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Internet



Specific Structure – Available End Equipment

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Generic Structure Tree Generic Structure Grids Materials Grids Parts Grids

Standard Tasks Grids Equipment Type Grids End Equipment Grids Equipment Grids

Generic Structure

AK912-TOP - Gottwald AK912 Crane

- AK912-TOP, Gottwald AK912 Crane
 - AK912-01, Base machine (Chasis No.129178)
 - AK912-01-0 CW, Counterweight grouping
 - AK912-01-01, Counterweight
 - AK912-01-02, Counterweight
 - AK912-01-03, Counterweight
 - AK912-01-04, Counterweight
 - AK912-01-05, Counterweight
 - AK912-01-06, Counterweight
 - AK912-01-28, Rear Strut
 - AK912-01-29, Roker beam
 - AK912-01-30, Roker beam
 - AK912-01-31, Roker beam
 - AK912-01-32, Roker beam
 - AK912-01-33, Steel Plates (Maxi tray)
 - AK912-01-34, Steel Plates (Maxi tray)
 - AK912-01-35, Steel Plates (Maxi tray)
 - AK912-01-36, Tackle tool box
 - AK912-01-37, Tower cap
 - AK912-01-38, Tower taper
 - AK912-01-0 OutRigg Assy, Outrigger Assembly
 - AK912-02, Carrier Super Structure
 - AK912-03, Container (office)
 - AK912-04, Container 12m (pendant ropes)*
 - AK912-05, Container 6m (Tackle)*
 - AK912-06, Container 6m*

Linked End Equipment

Machine No	Machine Eq...	Part No	Supplier
[Empty]			

Refresh Remove

Available End Equipment

Equipment No	Equipment Type	Part No	Supplier
01-07	7Ton Forklift	PN-Windham	CAT
01-22	Forklift	PN-Forklift	Windham
06-04	25Ton CRANE	PN-Centry 128	P&H
06-05	18Ton CRANE	PN-YB 5518	GROVE
06-06	30Ton CRANE	PN-GR 300	TADANO
06-07	30Ton CRANE	PN-GR 300	TADANO
06-08	30Ton CRANE	PN-GR 300	TADANO
06-09	30Ton CRANE	PN-GR 300	TADANO
06-10	25Ton CRANE	PN-TR 250EX	TADANO
06-100	70Ton CRANE	PN-KMK 4070	KRUPP
06-101	70Ton CRANE	PN-GMT AT	KRUPP
06-102	70Ton CRANE	PN-GMT AT	KRUPP
06-103	80Ton CRANE	PN-RT 880	GROVE
06-104	90Ton CRANE	PN-KMK 5090	KRUPP
06-105	90Ton CRANE	PN-KMK 5090	KRUPP
06-106	75Ton CRANE	PN-AT 885	GROVE
06-107	75Ton CRANE	PN-AT 885	GROVE

Link Selected Objects Equipment Search Refresh Results

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Specific Structure – Selected End Equipment

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Project	Contracts	Vendor	Equipment
Location	Generic System	Specific System	
Generic Structure			
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AK912-TOP, Gottwald AK912 Crane			
AK912-01, Base machine (Chasis No.129178)			
AK912-01-0 CW, Counterweight grouping			
AK912-01-01, Counterweight			
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AK912-01-05, Counterweight			
AK912-01-06, Counterweight			
AK912-01-28, Rear Strut			
AK912-01-29, Roker beam			
AK912-01-30, Roker beam			
AK912-01-31, Roker beam			
AK912-01-32, Roker beam			
AK912-01-33, Steel Plates (Maxi tray)			
AK912-01-34, Steel Plates (Maxi tray)			
AK912-01-35, Steel Plates (Maxi tray)			
AK912-01-36, Tackle tool box			
AK912-01-37, Tower cap			
AK912-01-38, Tower taper			
AK912-01-0 OutRigg Assy, Outrigger Assembly			
AK912-02, Carrier Super Structure			
AK912-03, Container (office)			
AK912-04, Container 12m (pendant ropes)*			
AK912-05, Container 6m (Tackle)*			
AK912-06, Container 6m*			

Generic Structure Tree		Generic Structure Grids		Materials Grids		Parts Grids	
Standard Tasks Grids		Equipment Type Grids		End Equipment Grids		Equipment Grids	
Linked End Equipment							
Machine No	Machine Eqp. Type	Part No	Supplier				
06-191	1200Ton CRANE	PN-AK 912	GOTTWALD				
06-190	1200Ton CRANE	PN-AK 912	GOTTWALD				
Refresh Remove							
Available End Equipment							
Equipment No	Equipment Type	Part No	Supplier				
06-180	650Ton CRANE	PN-AC 650	DEMAG				
06-181	650Ton CRANE	PN-AC 650	DEMAG				
06-130	80Ton CRANE	PN-AC 80-2	DEMAG				
06-93	50Ton CRANE	PN-AC-50-1	DEMAG				
06-190	1200Ton CRANE	PN-AK 912	GOTTWALD				
06-191	1200Ton CRANE	PN-AK 912	GOTTWALD				
06-20	12Ton CRANE	PN-AP 415	GROVE				
06-21	12Ton CRANE	PN-AP 415	GROVE				
06-22	12Ton CRANE	PN-AP 415	GROVE				
06-23	12Ton CRANE	PN-AP 415	GROVE				
22-207	PM	PN-ASTRA	MERCEDES				
06-61	30Ton CRANE	PN-AT 633 B	GROVE				
06-137	130Ton CRANE	PN-AT 1500	GROVE				
06-38	25Ton CRANE	PN-AT 528 B	GROVE				
06-39	25Ton CRANE	PN-LAT 528 B	GROVE				
Link Selected Objects Equipment Search Refresh Results							

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Internet

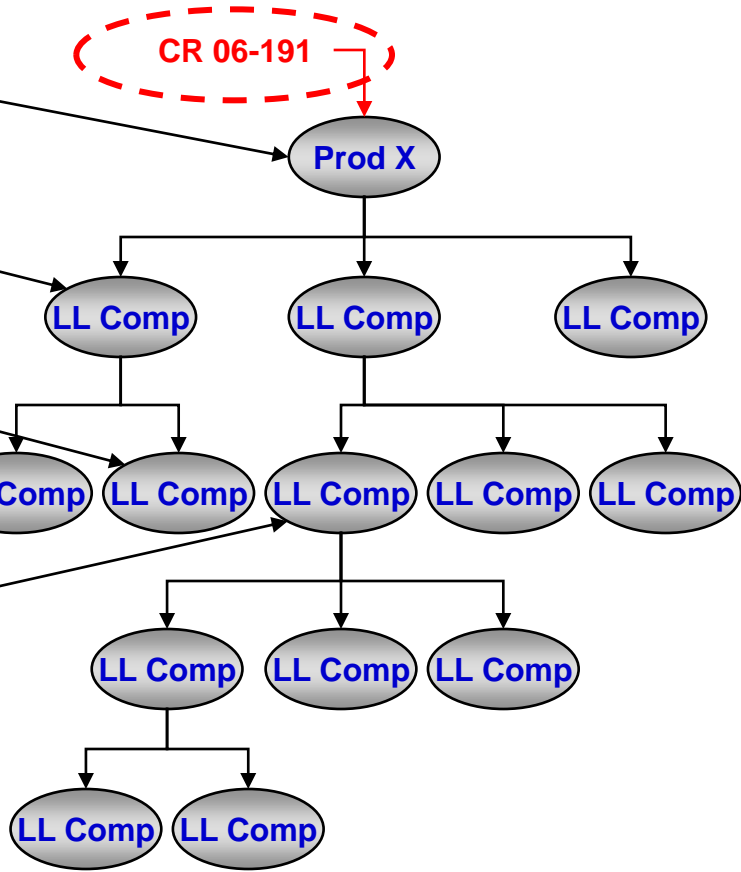


Specific Structure Population

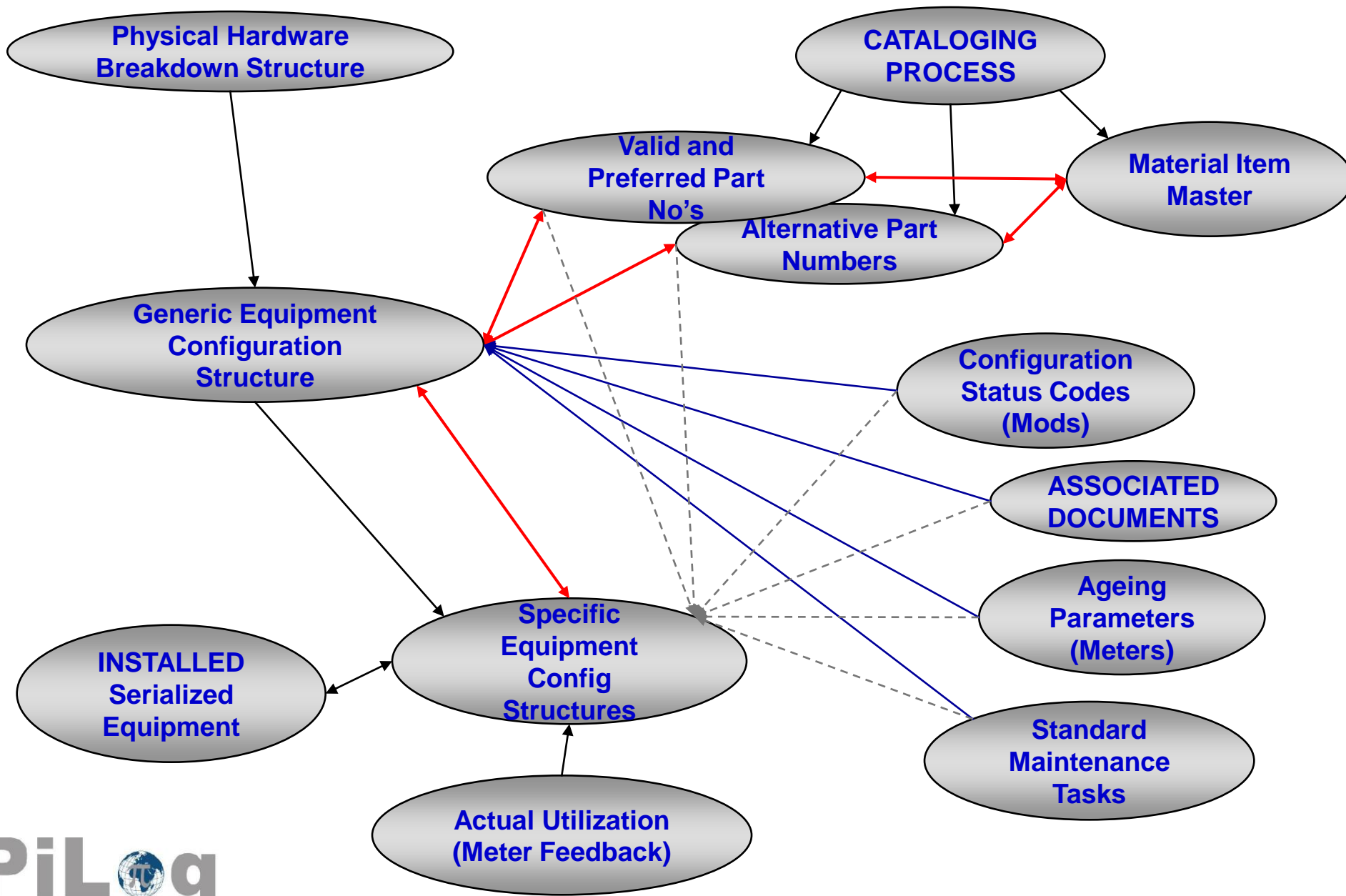
Equipment Register

Eqp No	Eqp Type	Part No	Description
CR 06-191	CRANE	PTNO 0123	GW AK912 Crane
EQP SNO 001	CHASSIS	0000660716	CHASSIS ASSEMBLY
EQP SNO 002	POWER PACK	000125004317	POWER PACK
EQP SNO 003	ENGINE	000125006431	BASIC ENGINE
EQP SNO 004	SOLENOID VALVE	000137004104	SOLENOID VALVE, HOUSING AND AIR PIPE
EQP SNO 005	FUEL PUMP	000912004002	FUEL PUMP MECHANICAL
EQP SNO 006	INJ PUMP	000931008049	INJECTION PUMP WITH ROLLER TAPPETS
EQP SNO 007	INJECTOR	000931008075	FUEL INJECTOR
EQP SNO 008	INTERFACE	5511530050	ENGINE, TRANSMISSION INTERFACE
EQP SNO 009	POWER PACK	007603010110	POWER PACK, FUEL SUPPLY SYSTEM
EQP SNO 010	POWER PACK	007603010110	POWERPACK COOLING SYSTEM
EQP SNO 011	TURRET	8800703010	TURRET

Specific Structure



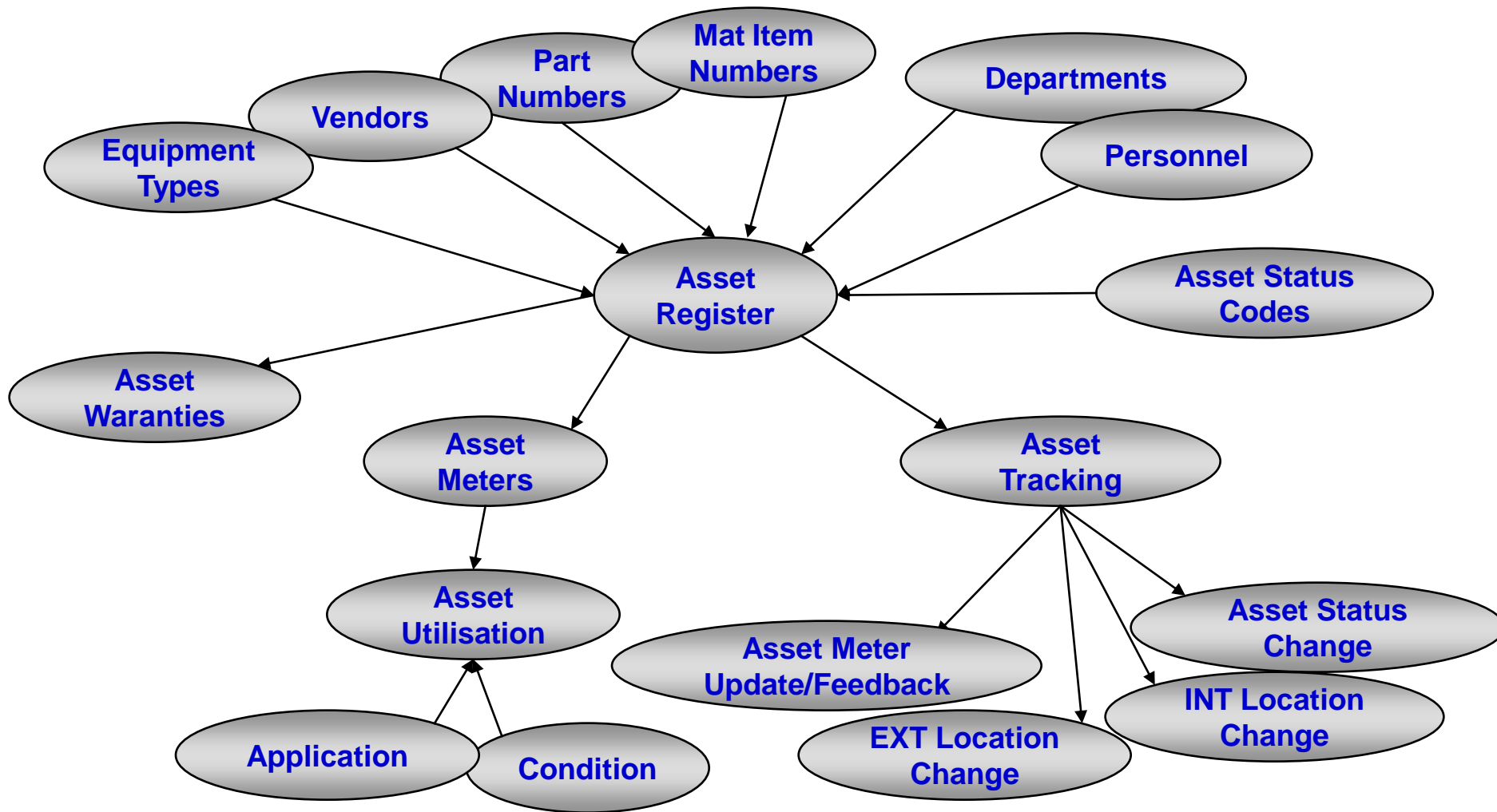
Structure and CI Associated Info



Master data

Asset Management

Asset Management



Asset Management – Equipment Register

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 - ▶ Structure Builder

Equipment Register

Data **Retrieval Criteria**

Asset Number	Asset Description	Equipment Type	Asset Part No	Asset Brand	Warranty Sta...	Warranty End...	End Asset...	Last Overhaul...	Default Resp ...	Current Exter...
06-191	GOTTWALD AK 912 CRANE, TM	1200Ton CRANE	PN-AK 912	GOTTWALD	Feb 18, 2006	Feb 18, 2005	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-71	Maxi ballast	Maxi ballast	PN-Maxi ballast	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-72	Maxi ballast	Maxi ballast	PN-Maxi ballast	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-24	Maxi head	Maxi head	PN-Maxi head	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-25	Maxi root	Maxi root	PN-Maxi root	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-30	Maxi tray + 2 back stops	Maxi tray	PN-Maxi tray	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-46	Hook block 425T	Hook block 425T	PN-Hook block 425T	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-75	Hook block 90 T	Hook block 90 T	PN-Hook block 90 T	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-74	Hook block 900 T	Hook block 900 T	PN-Hook block 900 T	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-87	Luffer head	Luffer head	PN-Luffer head	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-88	Luffer root + Back stop	Luffer root	PN-Luffer root	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-79	Luffing strut	Luffing strut	PN-Luffing strut	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-52	Maxi ballast	Maxi ballast	PN-Maxi ballast	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-53	Maxi ballast	Maxi ballast	PN-Maxi ballast	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-54	Maxi ballast	Maxi ballast	PN-Maxi ballast	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-55	Maxi ballast	Maxi ballast	PN-Maxi ballast	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah
06-191-56	Maxi ballast	Maxi ballast	PN-Maxi ballast	GOTTWALD	Feb 18, 2006	Feb 18, 2006	06-191	Feb 18, 2006	CRANE	Mussafah

Ready... Record: 0 of 92

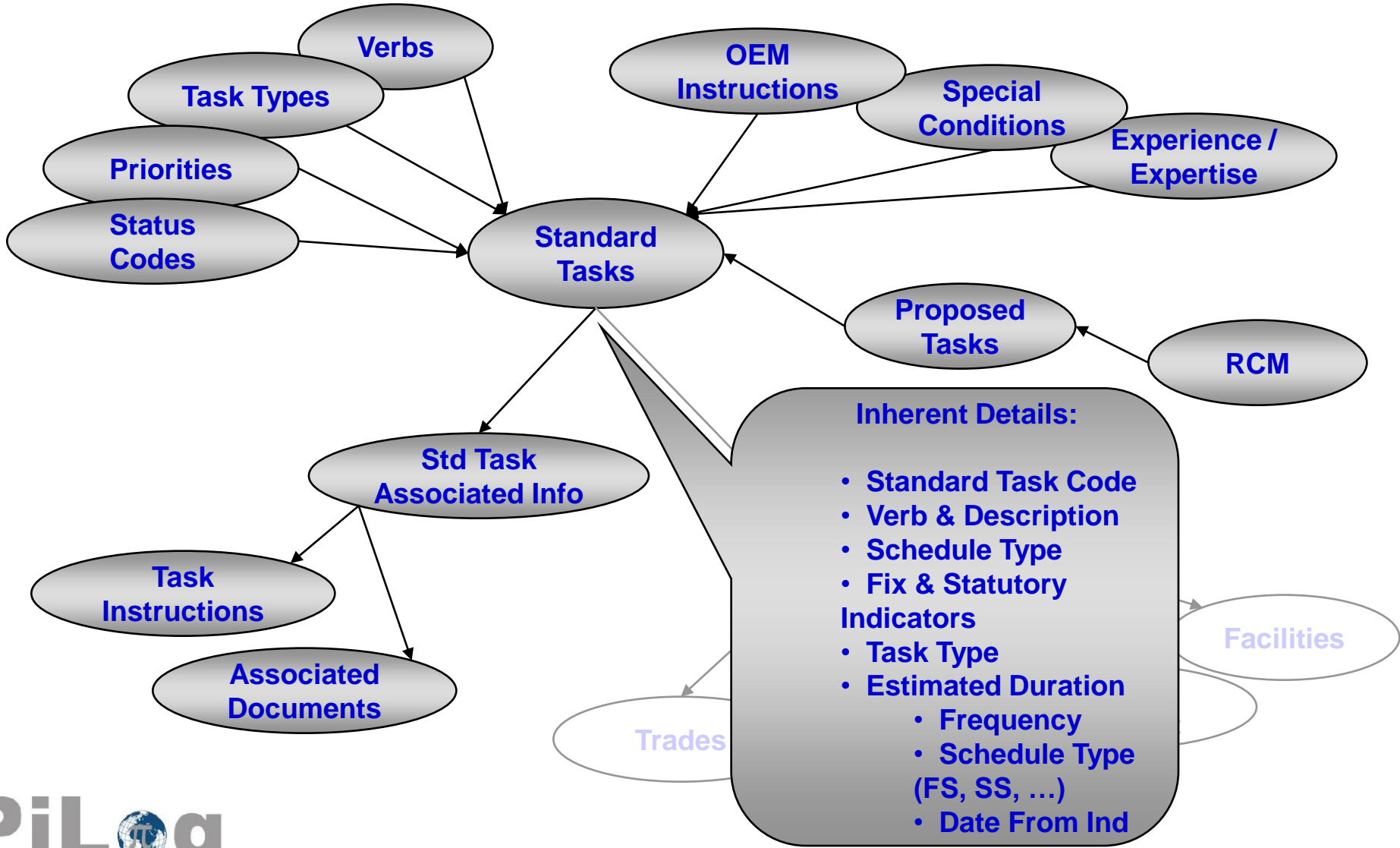


MDA

Maintenance Management

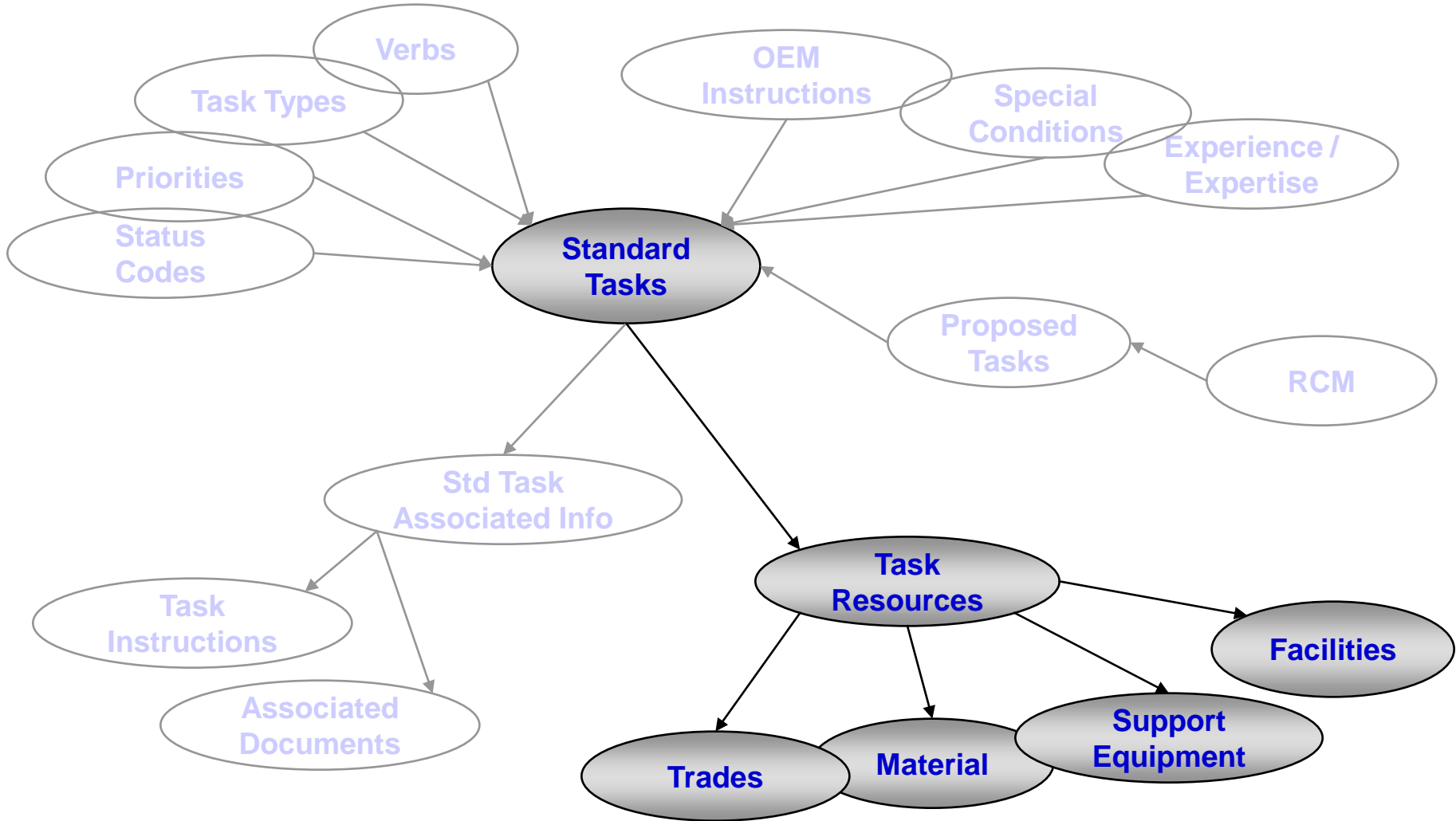
Maintenance Task Definition

“Standard Maintenance Task”



Maintenance Task Resource Requirements

“Standard Maintenance Task”



Standard Task Associated Information - Materials

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 - Generic Structure Builder
 - Specific Structure Builder

Project Location	Contracts Generic System	Vendor	Equipment Specific System
Generic Structure			
MBT - MAIN BATTLE TANK			
MBT,MAIN BATTLE TANK			
CH,CHASSIS ASSEMBLY			
CH10,POWER PACK			
CH1000,POWER PACK			
CH1001,BASIC ENGINE			
CH1002,ENGINE MECHANIC			
CH1003,ENGINE, FUEL SUPPLY SY			
CH100301,SMOKE GENERATIO			
CH10030100,SMOKE GENE			
CH10030101,SOLENOID VA			
CH10030105A,FUEL LINE T			
CH10030105B,FUEL LINE T			
CH10030110A,FUEL LINES			
CH10030110B,FUEL LINES			
CH10030110C,FUEL LINES			
CH100321,FUEL PUMP,MECHA			
CH100330,INJECTION PUMP WI			
CH100332,FUEL INJECTORS			
CH100366,ON-ENGINE FUEL PI			
CH100367,ON-ENGINE FUEL FI			
CH100368,FUEL DISTRIBUTOR			
CH1004,ENGINE PREFILTRATION			
CH1005,ENGINE COOLING SYSTEM			
CH1006,ENGINE ELECTRICAL SYS'			
CH1007,TRANSMISSION			
CH1010,ENGINE, TRANSMISSION II			
CH1015,POWER PACK, FUEL SUPP			

Generic Structure Tree		Generic Structure Grids		Materials Grids		Parts Grids	
Standard Tasks Grids		Equipment Type Grids		End Equipment Grids		Equipment Grids	
Linked Standard Tasks							
Standard Task				Description			
LC-ADH6				BACKACTOR			
LC-JOG009-A				ATTENDANT'S DAILY INSPECTION (FEEDER BREAKER)			
LC-REM505-01				BELL B16B 10 HOURS MECHANICAL MAINTENANCE			
<input type="button" value="Refresh"/>				<input type="button" value="Remove"/>			
Instructions Materials Available Standard Tasks Trades Documents STSE							
Material No				Description			
LC-0000660716				VALVE			
LC-000125004317				WASHER, FLAT A4.3 125 140 HV DBL 8451.11			
LC-000125006431				WASHER, FLAT A6.4 125 140 HV DBL 8451.11			
LC-000137004104				WASHER, SPRING A4 137 DBL 8400.00			
LC-000912004002				SCREW, SOCKET HEAD M4X12 912 8.8 DBL 9400.00			

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Standard Task Associated Information - Instructions

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Project Location Contracts Vendor Equipment

Generic System Specific System

Generic Structure

MBT - MAIN BATTLE TANK

- MBT, MAIN BATTLE TANK
 - CH, CHASSIS ASSEMBLY
 - CH10, POWER PACK
 - CH1000, POWER PACK
 - CH1001, BASIC ENGINE
 - CH1002, ENGINE MECHANIC
 - CH1003, ENGINE, FUEL SUPPLY SYSTEM
 - CH1004, ENGINE PREFILTRATION
 - CH1005, ENGINE COOLING SYSTEM
 - CH1006, ENGINE ELECTRICAL SYSTEM
 - CH1007, TRANSMISSION
 - CH1010, ENGINE, TRANSMISSION INTERMEDIATE
 - CH1015, POWER PACK, FUEL SUPPLY SYSTEM
 - CH1020, POWERPACK COOLING SYSTEM
 - CH1030, POWERPACK ELECTRICITY
 - CH03, CHASSIS EQUIPMENT
 - CH14, FINAL DRIVES
 - CH16, RUNNING GEAR
 - CH17, SUSPENSION
 - CH18, ANCILLARIES AND POWER SUPPLY
 - CH19, FUEL SUPPLY
 - CH20, EXHAUST, ASSEMBLY
 - CH21, CONTROLS
 - CH23, VENTILATION AND NBC PROTECTION
 - CH24, FIRE PROTECTION
 - CH25, CHASSIS OPTICAL EQUIPMENT
 - CH26, CHASSIS COMMUNICATION

Generic Structure Tree Generic Structure Grids Materials Grids Parts Grids

Standard Tasks Grids Equipment Type Grids End Equipment Grids Equipment Grids

Linked Standard Tasks

Standard Task	Description
LC-ADH6	BACKACTOR
LC-IOG009-A	ATTENDANT'S DAILY INSPECTION (FEEDER BREAKER)
LC-REM505-01	BELL B16B 10 HOURS MECHANICAL MAINTENANCE

Refresh Remove

Instructions Materials Available Standard Tasks Trades Documents STSE

Standard Task	Sequence	Instruction Text
LC-ADH6	1	CHECK THAT BACKACTOR IS SECURE
LC-ADH6	2	PLACE TRESTLES UNDER AXLES
LC-ADH6	3	FOLLOW INST NO 2
LC-ADH6	4	FOLLOW INST NO 3
LC-ADH6	5	BLA, BLA, BLA, BLA, BLA

MDA

Materials/Inventory Management

Material Item Master



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Material Item Number										
Data Retrieval Criteria										
Item Code	Object	Qualifier	Mat Type	SAP...	Obsolete Ind...	Unit Of Issue	Order Description	Item Ref	Suprc By Itm	
1000520	INTEGRATED CIRCUIT	GENERIC	TSTK	1001	N	EA	INTEGRATED CIRCUIT: FUNCTION 1MB EPROM, FFT: FOR JUPITER; TUBE OF 10	IR26333		AM1
1000521	INTEGRATED CIRCUIT	GENERIC	TSTK	1001	N	EA	INTEGRATED CIRCUIT: FUNCTION 256K EPROM, FFT: FOR JUPITER TERMINAL; TUBE OF 10	IR26333		AM1
1000522	CARD	GENERIC	TSTK	1001	N	EA	CARD: TYPE JUPITER QUICK REFERENCE	IR25244		AM1
1000523	MANUAL	TECHNICAL	TSTK	1001	N	EA	MANUAL, TECHNICAL: TYPE JUPITER, DOCUMENT TITLE USER, FFT: (2 X SETS)	IR26541		AM1
1000524	MEMORY CARD	ELECTRONIC DEVICE	TSTK	1001	N	EA	MEMORY CARD, ELECTRONIC DEVICE: MEMORY SIZE 1 MB, TYPE RAM, FFT: FOR JUPITER; TUBE OF 10	IR28527		AM1
1000525	KIT	GENERIC	TSTK	1001	N	EA	KIT: TYPE LIGHTNING PROTECTION, APPLICATION JUPITER 12 PORT/OPTICON	IR26391		AM1
1000526	MANUAL	TECHNICAL	TSTK	1001	N	EA	MANUAL, TECHNICAL: TYPE JUPITER II, DOCUMENT TITLE USER	IR26541		AM1
1000529	INTEGRATED CIRCUIT	GENERIC	TSTK	1001	N	EA	INTEGRATED CIRCUIT: FUNCTION EPROM UN-PROGRAMMED, FFT: 4 MB; TUBE OF	IR26333		AM1

Ready...

Record: 1 of 8419



Material Item Master – System/Eqp Association

Content Gateway - Microsoft Internet Explorer

Address: http://10.0.0.6:18080/MDAT2/mainForm.jsp

MDAT RAMIS February 21, 2006 10:18:27 AM PILOG COMPONENT MANAGEMENT

Login: CATALOGUER

Cataloguer Menu

- Complete Clusters
- Grids for MDAT Model
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- Equipment Management
 - Equipment Register
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- System Structure Management
 - Generic System Structure
 - Specific System Structure
- Structure Associations
- Standard Task Management
- Structure Builder
 - Location Tree Structure
 - Generic System Structure
 - Location Structure Builder
 - Generic Structure Builder
 - Specific Structure Builder

Generic Structure

MBT - MAIN BATTLE TANK

- MBT,MAIN BATTLE TANK
 - CH,CHASSIS ASSEMBLY
 - CH10,POWER PACK
 - CH1000,POWER PACK
 - CH1001,BASIC ENGINE
 - CH1002,ENGINE MECHANIC
 - CH1003,ENGINE, FUEL SUPPLY SYSTEM
 - CH100301,SMOKE GENERATION SYSTEM
 - CH10030100,SMOKE GENERATION SYSTEM
 - CH10030101,SOLENOID VALVE, HOUSING
 - CH10030105A,FUEL LINE TO VALVE
 - CH10030105B,FUEL LINE TO VALVE
 - CH10030110A,FUEL LINES AND NOZZLES
 - CH10030110B,FUEL LINES AND NOZZLES
 - CH10030110C,FUEL LINES AND NOZZLES
 - CH100321,FUEL PUMP,MECHANICAL
 - CH100330,INJECTION PUMP WITH ROLLER
 - CH100332,FUEL INJECTORS
 - CH100366,ON-ENGINE FUEL PIPEWORK
 - CH100367,ON-ENGINE FUEL FILTER
 - CH100368,FUEL DISTRIBUTOR
 - CH1004,ENGINE PREFILTRATION
 - CH1005,ENGINE COOLING SYSTEM
 - CH1006,ENGINE ELECTRICAL SYSTEM
 - CH1007,TRANSMISSION
 - CH1010,ENGINE, TRANSMISSION INTERFACE
 - CH1015,POWER PACK, FUEL SUPPLY SYSTEM

Linked Materials

Material No	Description
LC-0000600176	SOLENOID
LC-0000660716	VALVE
LC-000137004104	WASHER, SPRING A4 137 DBL 8400.00
LC-000912004002	SCREW, SOCKET HEAD M4X12 912 8.8 DBL 9400.00
LC-000931008049	SCREW, HEXAGONAL M8X35 931 10.9 DBL 9400.00
LC-700429006001	O-RING, 6,07X1,78 MMN 429
LC-8800702910	HOUSING
LC-8809970872	ADAPTOR

Refresh Remove

Available Materials

Attribute	Object	Qualifier	Value
DIAMETER	SCREW	MACHINE	M8
GRADE	SCREW	MACHINE	10.9
HEAD	SCREW	MACHINE	*****
MATERIAL	SCREW	MACHINE	STL
THREAD	SCREW	MACHINE	*****
THREAD LENGTH	SCREW	MACHINE	*****
SPECIFICATION	SCREW	MACHINE	DIN 931
LENGTH	SCREW	MACHINE	35



MDA

Document Management

Document Management Principles

- **Document Registration**
 - Document Number
 - Document Revision Number
 - Document Description
 - Document Type
- **Document Indexing**
 - Topic
 - Document Date
 - Document phrases and words
- **Document Publishing**
- **Document Breakdown Structures**
- **Document Imaging/File Management**
- **Document Associations**
- **Document Modification**

Document Interface

Content Gateway - Microsoft Internet Explorer

http://10.0.0.6:18080/MDAT2/img/solen.jp...

RAMIS
PILOG COMPONENT MANAGEMENT

February 20, 2006 3:19:00 PM

Standard Tasks Grids Equipment Type Grids End Equipment Grids Equipment Grids
 Generic Structure Tree Generic Structure Grids Materials Grids Parts Grids

Linked Parts

Part Number	Supplier Code	Material Item Number	Description
0000600176	LE CLERC	LC-0000600176	SOLENOID
0000660716	LE CLERC	LC-0000660716	VALVE
000137004104	LE CLERC	LC-000137004104	WASHER, SPRING A4 137 DBL
000912004002	LE CLERC	LC-000912004002	SCREW, SOCKET HEAD M4X12
000931008049	LE CLERC	LC-000931008049	SCREW, HEXAGONAL M8X35 931
700429006001	LE CLERC	LC-700429006001	O-RING, 6,07X1,78 MMN 429
8800702910	LE CLERC	LC-8800702910	HOUSING
8809970872	LE CLERC	LC-8809970872	ADAPTOR

Refresh Remove

Available Parts

Documents Available Parts

Doc No	Revision	DESCRIPTION	Image
DOC 03	1	Solenoid Valve	solen.jpg

Show

Applet BomTreeApplet started



Conclusion

Master Data Overview – 5 Golden Rules

- Never underestimate the power of quality data with integrity.
- Data is a company Asset, treat it as such, control it, maintain it, repair it and govern it.
- Let the data work for you, do not become a slave of the data.
- Do it right the first time.
- Do not bring the level of your systems and data down to the User, bring the level of the User up to the systems and the operational data.