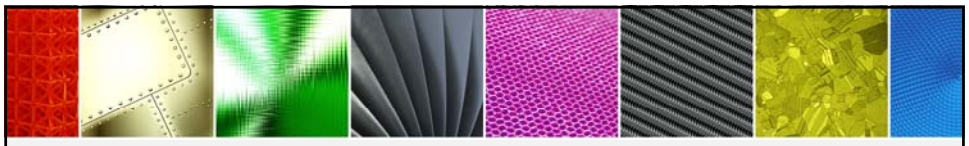
Agenda – day 1

Time	Duration	Session	Session Lead
9:00 AM	00:20	Welcome	Patrick Coulter
9:20 AM	00:15	Agenda review / minutes from last meeting	Dan Williams
9:35 AM	01:00	Software update / demonstration	Dan Williams
10:35 AM	**00:15**	**Coffee break**	
10:50 AM	00:30	Member update 1	PSA
11:20 AM	01:00	Technical session 1 - Simulation	Pete Cherns
12:20 PM	**01:00**	**Lunch**	
1:20 PM	00:25	State of Industry Report	Dan Williams
1:45 PM	00:30	Member update 2	Honeywell
2:15 PM	01:00	Technical session 2 - Data and Knowledge management	Dan Williams
3:15 PM	**00:15**	**Coffee break**	
3:30 PM	00:30	Member update 3	GM
4:00 PM	01:00	Technical session 3 - PLM integration	Arthur Fairfull
5:00 PM		**Adjourn**	
7:00 PM		**Consortium Dinner - Walton Hall, Directors' Suite**	



Technical Session 3 – PLM Integration

Arthur Fairfull

GRANTA MATERIAL INTELLIGENCE

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Agenda vote

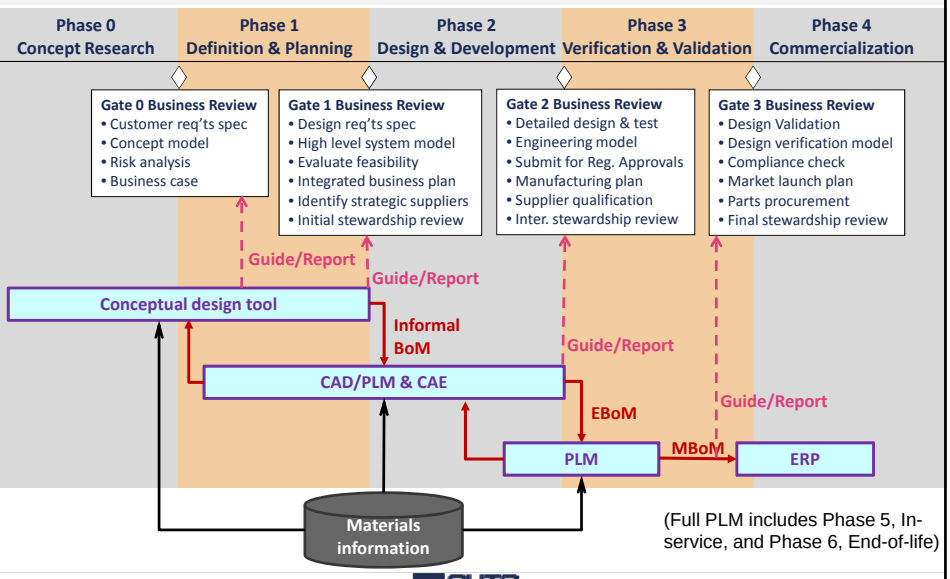
	Data management	Automating workflows	T4	5
	Materials approval	Approval workflows	T4	5
	Materials engineering	Capturing knowledge and expertise	T2	4
	Simulation	Data provision for simulation	T1	4
	Selection & specification	Materials selection / recommendation tools	T5	4
	IT infrastructure	Global synchronization	T2	3
	Data management	Collection of legacy data	T2	3
	Simulation	Shared exporter development within AutoMatIC	Tech proj review	3
⇨	**Selection & specification**	PLM integration	T3	3
	IT infrastructure	Data security	T2	2
	Data model	Standard schema for adhesives/lubricants	Tech proj review	2
	Data model	Standard schema for fabric materials	Tech proj review	2
	Data management	Collection of future data	T2	2
	Data management	Standardization of data	T2	2
⇨	**Selection & specification**	CAD integration	T3	2
	IT infrastructure	Logging user activity	Software update	1
	Data model	Standard schemas for wear/tribology		1
	Data model	Standard schema for lightweight alloys	Tech proj review	1
	Materials approval	Using GRANTA MI across the supply chain		1
	other	*Material data extraction from CAE model and comparison with database*	*T1*	1

In this session

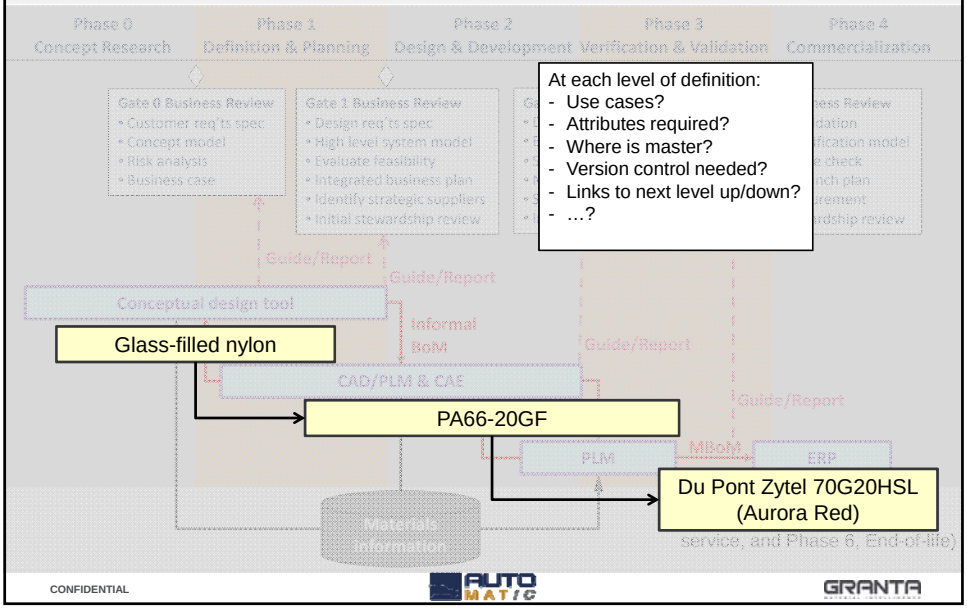
	Area	Discussion topic	Session	Totals	GM	KSPG	PSA	JLR	HNY
21	Selection & specification	PLM integration	T3	3	X		X	x	
20	Selection & specification	CAD integration	T3	2			X		X

- Round table:
  - Why did you vote for these items?
  - How can AutoMatIC help?
  - What are the challenges in these areas?

Considerations:
Role of tools in Design-to-Manufacture process

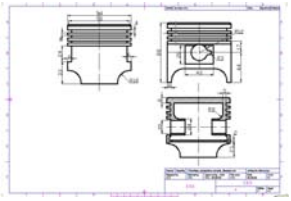


Considerations:
Increasing refinement of material definitions



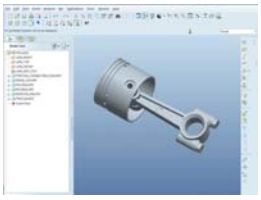
Considerations:
Trend towards Model-Based Enterprise

Drawing-centric



- Material, spec, notes, on drawing

CAD-centric,
Solid-modelling,
3D design, …



- Material assigned to 3D CAD parts
  - Material attributes enable mass property calculation
  - Additional attributes for CAE
  - Parameters and notes carried through to drawings

PLM-centric,
Model-based enterprise,
Digital tapestry, 4GD, …

- Material assigned to PLM parts in product structure
- CAD geometry parts linked to PLM parts
- Attributes on PLM and/or CAD parts

- Where are materials decisions implemented, and by whom?
- What information do they *need* to do this?
- What information do they *provide* as a result?

In this session

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