

## MI7.0 MSDP BoM Journey E-R-04, E-AR-09, E-I-05, E-R-11



### Objectives of Session

**Review the 'BoM Journey'**

**Review Use Cases & Workflow at each stage of Product Lifecycle**

**Consider roll of specific EMIT prioritised projects at each stage**

**Identify gaps in current tool set**

## Projects under Scrutiny in the BoM Journey

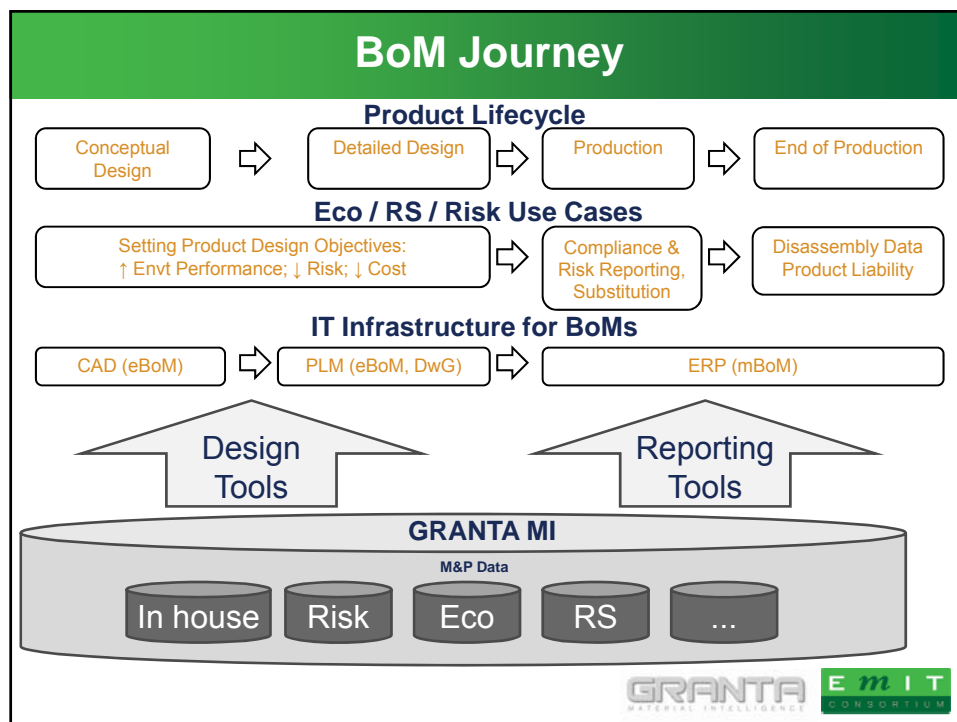
**E-R-04 - Record ID Translation**

**E-AR-09 - Assess standard industry parts (mechanical) for restricted substances**

**E-I-05 - Supplier Declaration Portal**

**E-C-02 – Gateway for CAD/CAE/PLM**

**E-AE-10 – Viewer Interface for BoM Creation**



## Use Cases & Workflows

### Conceptual → Detailed Design

#### Use Cases:

- Delivering design objectives (Cost, envt performance, risk, 'what if' scenarios)

#### Workflows:

- Preferred Materials Lists (Who prepares this and where?)
- Gate assessments / Design Review (Who does this and where? How does the feedback loop work?)

#### Software environment:

- CAD
- Specialist Tool that feeds into CAD, e.g. Tools for creating a new BoM?



## Use Cases & Workflows

### Conceptual → Detailed Design (Continued)

#### Current Tools:

- Gateway for RS & Eco & Risk (shortly)
- BoM Generator Tool
- E-AE-10 (Proposed)

#### Key Question:

- What Granta added data needs to travel with the eBoM into the mBoM?  
E.g. assigned processes (Eco Audit), MI material references



## Use Cases & Workflows

### Production:

#### Use Cases:

- Reporting on 'as built' mBoMs (for compliance & risk)
- Substitution / redesign / engineering changes (although ideally minimised in design)

#### Workflow:

- Compliance check at start of production? (by who & where?)
- Periodic Review by EH&S

## Use Cases & Workflows

### Production (Continued):

#### Current Tools:

- BoM Generator Tool
- E-AE-10 (Proposed)
- Gateway planned
- E-I-05, E-AR-09 (Planned)

#### Key Questions:

- Where does E-I-05 fit into the process (e.g. as suppliers are qualified)?
- What is the relative priority of reporting on existing BoMs vs developing tools for designig new BoMs?

## Use Cases & Workflows

### End of Production:

#### Use Cases:

- Providing recyclability data to recyclers / dismantlers
- Future product liability (e.g. is the product classified as hazardous waste in 10 years time?)

#### Workflow:

- Periodic Review by EH&S / Product Stewards?

#### Key Questions:

- Where are these reports carried out?
- Where should these BoMs be stored (archived)?

## BoM Journey (Full Gateway/API Support)

