

opsdog

WORKFLOW

PRODUCTION

Demand Based Production

BPMN 2.0 EDI/AT

The OpsDog Supply Chain Hierarchy

- Production
 - Order Management
 - Master Data Management
 - Procurement
 - Materials Management
 - Distribution
- Production Engineering
 - Production Planning
 - Demand Based Production
- Manufacturing & Assembly
- Quality Control
- Equipment Maintenance

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Demand Based Production: Workflow

- A Demand Forecasting
- B Planning & Purchasing
- C Manufacturing

Workflow Description

The overall forecasting and execution of demand based production process. Includes production forecasting, materials procurement, and materials allocation.

Legend

- Start Event
- Intermediate Event
- End Event
- Gateway
- Group
- Task
- Expanded Sub-Process
- Pool
- Sequence Flow
- Message Flow

DO-IT-YOURSELF BUSINESS PROCESS IMPROVEMENT

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Production: Demand Based Production Workflow [BPMN 2.0]

Production

Demand Forecasting

```

    graph LR
      Start(( )) --> A[Generate demand related data based on forecast (past orders, schedule, seasonal, etc.)]
      A --> B[Predict production volume based on generated data, current inventory, etc.]
      B --> C[Estimate funding for materials and production cost]
      C --> D[Check for additional requirements such as maintenance cost, warehousing, etc.]
      D --> E[Construct total materials purchasing plan]
      E --> End((( )))
  
```

Vendor

pm.SCO7.DemandBasedProductionBPMN.141211

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