Industry Council PTAB
- System Level Design Committee -
Requirements Capture
Working Group
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Agenda / Outline / Focus Areas

• Review Agenda
  – Identify/Confirm Outcome Areas

• Focus Areas
  – Requirements - Identify All Types
    • Identify Associated Mechanisms/Attributes
  – Requirements - Gathering (Process)
  – Requirements - Role in SLD Process
  – Requirements - Downstream
    • Decomposition, Allocation, Tracking
    • Binding, Don’t Care,
    – . . . Others?

• Plan, Milestones, Resource, Roadmap,
  – Scope, Challenges, . . .

  Requirements - Role in Product Process
  - Local-

• From ‘IDEFO’: ‘ICOM’

  Requirements - Role in Product Process
  - Global -

• Each Step Gets Inputs, Has Outputs
  – Some are Requirements

  Requirements - Types/Classes
  • Definition/Scope: All Knowledge that drives, controls product Realization/use
    – Definition, Interface, Instance, Occurrence, abstraction,
    – Constraints, Conditions, Requirements, Specification, Assertions, Context, Intent,
    – Structure - Topology, Hierarchy, Netlist,
    – Behavior
    – Physical
    – Environment
    – “...ilities” - Reliability, Quality,
    – Performance
    – Temporal
    – Use/Reuse
    – Cost, Business,

  Mechanisms/Attributes

  • Semantics,
  • Decomposition, Allocation, Partitioning, Tracking,
  • Primary, Derived, Map, Association, Relationship, Incremental,
  • Decision, Care/Don’t Care, Binding
  • Granularity, Template, Macro, Model, View, Style, Policy, Category, Set, Collection,

• Requirements - Gathering (Process)

• Requirements - Role in SLD Process

• Requirements - Downstream

• Decomposition
• Allocation
• Tracking
  • Binding, Don’t Care,
  – . . . Others?

• Requirements - Plan

• Plan, Milestones, Timeline
• Resource
• Scope, Approach, Rationale
- Coordination
- Roadmap Contribution/Editing
- Risks / Challenges