

FITWG '98 Transition

- Some disenchantment re focus and misguided metrics
- Challenges too general, tables too tactical
- Apathy from participants and consortia
- I300I took up some of the slack and are now fully involved

- Added supply chain management to basic challenges
- Web page updated along with the current tables
- New TWG recruited and being introduced into the wonders of electronic communication
- First meeting scheduled for 1/15/99 to kick off 1999 Int'l R/M.
- Enthusiasm picking up in participant and consortia

- HAPPY NEW YEAR

FITWG Mission Statement

- *To identify the “integrated” needs of factories that will be designing, fabricating, assembling, testing and delivering semiconductor products based on technology successes at each node in the roadmap within the constraints: time, cost, quality plus EHS.*

Scope & thrust definitions

- Business structure
- Space
 - Facilities
- Tools
 - Process Equipment
 - Material Handling
 - Factory Systems
- People
- Procedures
- Metrics

1997 Difficult Challenges for Factory Effectiveness

- Factory **Cost**: Escalating factory capitalization and operational costs
- **Operational Effectiveness**: Low productivity of semiconductor equipment and manufacturing operations
- Factory Investment **Risk** Management and **Time** Factors: The rapidly diminishing time allowable to recover initial and recurring factory investments, the **pace** of change
- Process/Factory **Complexity**: Increasingly difficult data, material, process, and technology management in an increasingly interdependent environment

Difficult challenges

- Process/Factory **Efficiency** in spite of **Complexity**:
Coping with diverse data, material, process, and technology requirements in an increasingly interdependent environment of logistics & processes
- Realizing **interoperability** in the integrated factory:
software, hardware, plumbing, ...
- **Shift** from people centric to automation centric factory operations
- Increased **interdependencies** of all factory activities from design to delivery as dimensions decrease.
- Adopting **supply chain management** into the integrated semiconductor factory.
- Eliminate optimized, enhanced, advanced & MUST from text