ESCCON 2013
Atmel Space Supply Chain

Agencies, Customers & Supplier :

Supply Chain A Shared Responsibility.

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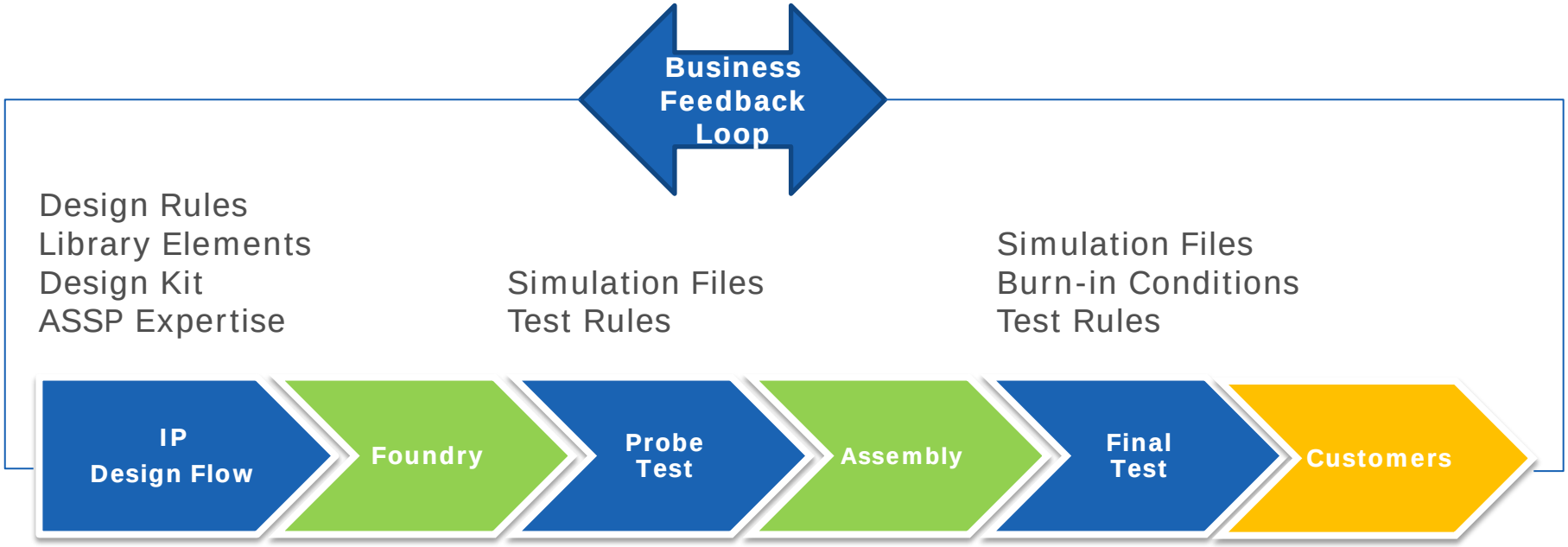
Space Supply Chain

Value added chain



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IP & Design Flow

IP	• Keep IP access alive to maintain investigation capabilities and process change implementation. • Keep IP eco system available for business development .
Design Flow	• Keep golden design flow (design flow environment used for product tape out) alive to maintain design check and verification capability with new hypothesis. • Keep ascending compatibility.
Design Migration	• Facilitate design migration capability to more advanced technology.
Simulation Of Environmental Constraints	• Keep alignment of design rules with customer environmental requirements.

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Foundry

Commercial Business	• Technology alive sustained with the right number of commercial wafer.
Share	• Space does not have the volume to self sustain its technology requirements. • Piggy back space requirements on automotive requirements when feasible.
Second Sourcing	• Second sourcing strategy as long as your volume provider (commercial space sponsor) is in business. • Otherwise End Of Life.

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Probe Test

Generate New Test Files	• Keep capability to generate test pattern from original simulation files. • Keep golden wafers for future test correlation requirements.
Migration	• Keep ascending test platform compatibility.
In House	• No outsourcing.

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Assembly

Production Activity	• Assembly line alive sustained with the right production activity.
Consolidation	• Consolidate businesses as much as you can.
Second Sourcing	• Second sourcing strategy as long as you can. • Otherwise End Of Life.

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Final Test

Generate New Test Files	• Keep capability to generate test pattern from original simulation files. • Keep golden units for future test correlation requirements.
Migration	• Keep ascending test platform compatibility.
Migration	• Keep ascending burn-in oven compatibility.
In House	• No outsourcing.

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Supplier & Customers shared responsibility

Visibility Forecast

- Supply chain management requires medium/ long term forecast to align capacity with requirements.
- It is not available today.

Cost

- There are solutions (space specific) to maintain the supply chain, they all have a cost.
- They need to get funded with enough business.

Quantity

- Supplier cannot create more volume by its own.
- We need to consolidate other businesses.

Customer Strategy

- Must not spread out an already small business.
- Sharing and business consolidation must drive the strategy.

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