

In Situ Comm/Nav

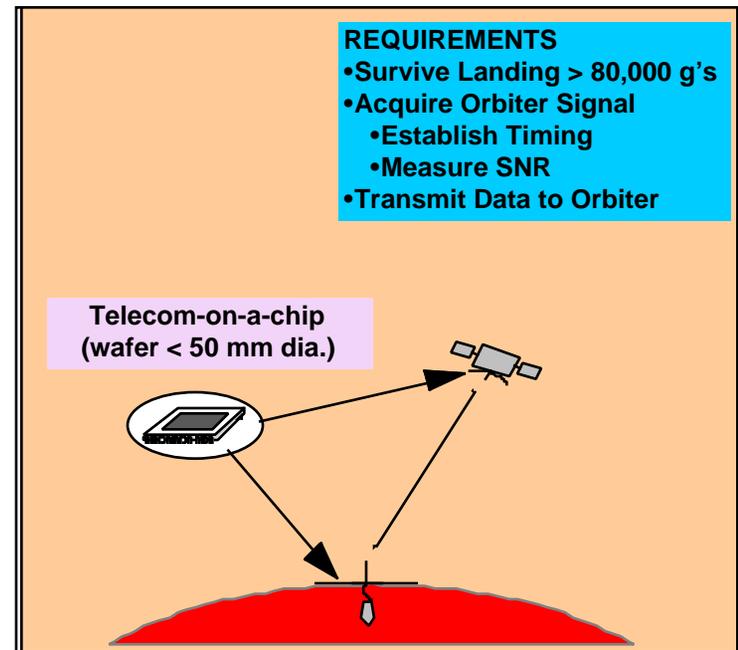


• Overall Objective

- Increase performance and reduce cost of planetary relay communications and navigations systems

• Goals and Products

- Multi-mission relay system
- Small, light antennas
- Recommend protocols
- Analyze relay links with onboard decoding vs iterative decoding on Earth
- Strawman mission design for Mars areostationary relay satellite



Mars Penetrator Relay Link Configuration

