RTSC Ease of Use Update

Color Key

• Good progress
• Needs fine tuning
• Lots more work required
Platform Wizard

• Mostly complete
• Integrated into CCS 4
• GUI based tool for creating a platform
• Generates complete RTSC package
• “Cache aware” – will need to interact with BIOS

Improved Error Handling

• Unique “package not found” errors
  – Package not found on path
  – Package not built
• Traceback improvements
  – Traceback now stops by default at the user/RTSC boundary
  – Users will no longer fruitlessly dig through RTSC implementation
Trace Capability

- “Power user” feature
- Get insight into what XDC is doing
- Similar concept of CE_DEBUG, i.e. if something goes wrong turn on the trace, dump to a file, and give to an expert to decipher

CCS Integration

- New Project Wizard: select various BIOS projects as “starter ware”
- Path wizard: check boxes to add common software components to package path
- Separate config project
  - Less performance penalty as the config step can be better controlled/understood
- XGCONF, ROV, RTA still need work
- No legacy lib wizard
XGCONF

• Works for everything, not just BIOS
• “On the fly” input validation in progress, requires some extra effort from package provider
• No way to specify a layout for the various parameters

Path Tool

• Looks for common mistakes
  – “package” instead of “packages”
  – Directory with no packages in it
• TO DO: Need this tool automatically invoked when XDC encounters a path error
Closure Tool

• Have a rough version today
• Allows a system integrator to create and deliver a configuration project as a single entity (lib and header files)
• Lots more work needed on interface