iSCT Readme:

1. **Isct Folder: AcpiTables, Guid, Protocol**
   1. Isct code assumes this folder is located at: $(EFI\_SOURCE)\Platform
2. **PEI Phase- IsctGetWakeReason.c**
   1. This file serves the purpose of finding and saving the wake reason for the Isct agent to see via Acpi Method
   2. To use this file, call IsctPeiEntryPoint(PeiServices) when the boot reason is determined.

NOTE: ONLY call this function on S3 Resume and S4 Resume.

* 1. This file creates a callback that runs at the end of PEI. It is necessary that it runs at the end of PEI because:
     1. It must run after MRC so it can access memory
     2. It must run at the end of PEI on S3 and S4 resume to co-exist with rapid start
  2. Make sure to set IsctEnabled to 1 from BIOS menu options to enable iSCT.
  3. Could be set up to run as independent module if the EntryPoint funtion only creates the callback on S3 Resume and S4 Resume.
  4. NOTE: In our implementation this entry point is called from another file rather than being its own module for performance.

1. **DXE Phase- IsctAcpi.c**
   1. This file serves to set up IsctNvs region and set ReadyToBoot event to install Isct AcpiTables
   2. To use this file, call IsctDxeEntryPoint(ImageHandle, SystemTable)
   3. Could be set up as independent module or call this function when GlobalNVS area is set up.
   4. NOTE: In our implementation this entry point is called from another file rather than being its own module for performance.
2. **SMM- IsctSmm.c**
   1. This file serves the purpose of creating a callback upon entry into S3.
   2. This callback will set RTC timer when RTC timer is being used.
   3. To use this file call InstallIsctSmm(ImageHandle, SystemTable)
   4. Could be set up as independent module or call this function when registering other Sx-entry callbacks.
   5. NOTE: In our implementation this entry point is called from another file rather than being its own module for performance.
3. **Acpi Code- Isct.asl**
   1. This file provides the ACPI methods for the iSCT agent to use.
4. **EC Acpi Namespace**
   1. Isct.asl file uses EC names as defined in EC.asl in Acpi Reference Code
5. **Platform Acpi Code**
   1. The file platform.asl in the ACPI Reference code contains iSCT code in the \_WAK and \_PTS methods for dealing with setting and clearing iSCT values
6. **RapidStart integration**
   1. Uncomment the following lines in RapidStartSmm.inf
      1. $(EFI\_SOURCE)\Platform\Isct
      2. IsctProtocolLib
      3. IsctGuidLib
   2. ISCT\_FLAG must be defined to include the iSCT coexistence code into RapidStart compilation. iSCT Guid and Protocol folders should be included at “$(EFI\_SOURCE)\Platform\Isct” before building
7. **Setup Options- These setup options were provided in BIOS menu**
   1. iSCT Support <Enabled/Disabled>
   2. iSCT Notification Control <Enabled/Disabled>
   3. iSCT WLAN Power Control <Enabled/Disabled>
   4. iSCT WWAN Power Control <Enabled/Disabled>
   5. iSCT RF Kill Switch Type <Software/Hardware>
   6. iSCT Timer Selection <EC Timer/RTC Timer> NOTE: when using desktop system, RTC timer is forced.