DESIGN APPROACH REVIEW (DAR) DEFINITION:

1.0 What Type of DAR to Conduct?

Full DAR:

- Developer's presentation to be scheduled with SEC (Thuy Tran) by GFS Handoff
- Developer to complete DAR questionaire
- Developer or task lead to send presentation material and DAR questionaire to SEC (Thuy Tran) one day in advance

Partial DAR:

- Developer to provide information about the task to SEC (Thuy Tran) by GFS Handoff:
  * Brief description of functionality
  * Any special conditions, environment set-up, data needed for testing
  * Any impacts to AWIPS Common, COTS, or other critical interfaces (please see the attached list of critical interfaces)
- Information can be provided via E-mail, and if needed, a conference call could be conducted to resolve questions/issues.

DR Scrub:

- OS to assess operational impacts of each DR in OB3 and OBx
- Based on OS prioritized DR list, task lead to propose a list of DR's to be fixed in OB3
- Conference call will be conducted with task lead, OS, and NGIT to review the proposed DR list.

2.0 Critical AWIPS Software Interfaces Changes that will Trigger a DAR

This section lists the critical software interfaces for AWIPS. Critical software interfaces are "published" interfaces meaning that programs or processes outside of the class or module that they are defined in can and are expected to utilize them. It may not be easily known what programs or processes are on the other side of the interfaces and hence changes to this software needs to be managed with a higher degree of oversight. Changes to these interfaces require increased coordination and might possibly trigger more extensive formal integration testing.

3.0 List of Critical Software Interfaces

This section lists software deemed to be a critical interface. The critical software interfaces fall into three categories:

1. Named Servers and other Well-Known Servers
2. Utility Programs
3. Common utility libraries

3.1 Named Servers and other well-known servers

Program / Process Name	Target Name
CommsRouter	
CommsRouter COMMS_ROUTER	COMMS_ROUTER
CommsRouter GRID_ROUTER	GRID_ROUTER
CommsRouter LDAD_ROUTER	LDAD_ROUTER
DialServer	DIAL_RADAR_SERVER
MhsRequestServer	MHS_REQ_SERVER
MhsServer	MHS_SERVER
RMR_Server	RMR_SERVER
RadarMsgHandler	RADAR_MSG_HANDLER
RadarServer	RADAR_SERVER
TextDB_Server	
TextDB_Server -Read	TEXT_DB1
TextDB_Server -Write	TEXT_DB2
caseArchiveServer	CASE_ARCHIVE_SERVER
hmMonitorServer	HM_MONITOR_SERVER
hmMonitorServer	MONITOR_SERVER
imageServer	IMAGE_MAKER
ldadServer	LDAD_SCHEDULE_SERVER
notificationServer	NOTIFICATION_SERVER
textNotificationServer	TEXT_NOTIFICATION
wwaPush	WWA_PUSH
wwaServer	WWA_SERVER

name currently unused	*XTEST_SERVER*
name currently unused	*SYNC_SCHEDULER*
name currently unused	*CONTROL_SERVER*
name currently unused	*IPC_TEST_CLIENT*

3.2 Utility Programs

textdb
distributeProduct
handleOUP
transferNWR
transferNWWS
asyncScheduler
fxaAnnounce

3.3 Common utility libraries

/awips_common/src/commonDefs
/awips_common/src/common_incs
/awips_common/src/config
/awips_common/src/foundation
/awips_common/src/logStream
/awips_common/src/procMgmt
/awips_common/src/threadIPC
/awips_common/src/util
/awips_common/src/util_d2d