



**COD Interfaces
Assembly Test Plan**

Date: 10/30/2001

Interface Name: DLSS - COD

Developer: Linda Kim Tester Initials: LK

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/Fail	Comments
Cycle 1: Normal								
Sub-Cycle 1: Send File from EAI Bus to DLSS								
1.1.1		DI File transfer	Send file from EAI Bus to DLSS via 'sendfile' shell script.	Validate MQ Queue Configuration. Validate DI ftconfig.ini file	Dummy test file, "CI001S1_LO0601_T" created by COD EAI Interfaces test team.	"CI001S1_LO0601_T" expected at DLSS	PASS	Initiating this file transfer from a shell script is a stub for COD. In production COD will initiate this file transfer via JCL. Need to know IP of where to deliver DLSS file to. The IP will resolve to a particular directory. The filename is what DLSS is expecting in production except for the '_T' suffix.
Sub-Cycle 2: Send File via OVMS script from DLSS to the EAI Bus								
1.2.1		DI File transfer	Send file from DLSS to EAI Bus via OVMS script. Need to edit OVMS script (done by ACS), to call PROC to initiate DI file	Validate MQ Queue Configuration. Validate DI ftconfig.ini file	Provided by DLSS	File from DLSS in /tmp on the EAI Bus server SU35E17	PASS	
Sub-Cycle 3: Pooling with Pool Queue Aliases set up at DLSS								
1.3.1		DI File transfer	Send a 3 MB file from DLSS to the EAI Bus via OVMS script. NOTE: Before this step is executed the ftfrcv process should be stopped on the EAI Bus server, so the Local Queues set up for pooling will collect messages in the Queues.	Validate MQ Queues and Alias Queues that have been configured for pooling.	Provided by DLSS	Local Pool Queues have an evenly distributed number of messages. The message count should be (file size=3MB)/(default message size =512KB) ~ 6 messages / overflow.	PASS	ftconfig.ini file needs to have POOLS set up with the correct number of maxqueues and overflow. Need to coordinate with DLSS to get data.

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1.3.2		DI File transfer	Start up ftfrvc process on the EAI Bus server.			Data file from DLSS expected in /tmp on the EAI Bus. All Local Pool Queues are emptied because the messages have been reassembled to create the file.	PASS	



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Cycle 2 - Expected Error								
Sub-Cycle 1: Source file not found on sender server								
2.1.1		DI File Transfer	Execute "DLSSsendnofile" shell script to attempt to send a file that does not exist from the EAI Bus to DLSS		NA	Error message logged in DataIntegrator nohup.out log. Failure message sent to NOTIFY queue. Failure message sent to FTFSTAT	PASS	This is a stub for COD. COD's JCL will send a file.
2.1.2		DI File Transfer	Modify OVMS to send a file that did not exist. from DLSS to the EAI Bus.		NA	Failure message sent to NOTIFY queue on source QM. Failure message in FTFSTAT	PASS	
Sub-Cycle 2 : Common Log Function Environment variables are not found - NOT TESTED								
2.2.1		DI File Transfer & Common Log Function	Execute "sendfileexits" shell script without defining the common log function environment variables			Error message logged in common log file.	NA	Common log function will no longer be used with DataIntegrator.



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Cycle 3 - Unexpected Error								
Sub-Cycle 1: MQ Queue Manager is unavailable								
3.1.1		DI File Transfer	Make MQ Queue Manager unavailable. Send file from EAI Bus to DLSS via 'sendfile' shell script.		Dummy test file, "CI001S1_LO0601_T" created by COD EAI Interfaces test team.	MQMon must notify that QM is down. Failure message sent to standard out.	PASS	
3.1.2		DI File Transfer	Change source queue manager to a QM that does not exist to simulate a Queue Manager being unavailable. Send file from EAI Bus to DLSS via 'DLSSsendnoMQ?' shell script.		Dummy test file, "testfile.txt" created by COD EAI Interfaces test team.	MQMon must notify that QM is down. Failure message sent to standard out.	PASS	
Sub-Cycle 2: MQ Queues and Channels are unavailable								
3.2.1		DI File Transfer	Make MQ Queues and channels unavailable. Send file from EAI Bus to DLSS via 'sendfile' shell script.		Dummy test file, "CI001S1_LO0601_T" created by COD EAI Interfaces test team.	Failure message sent to NOTIFY queue. No failure message in log file. The request will need to expire. Failure message to FTFSTAT	PASS	Tested by LK. Once the channel is restarted the file is successfully moved. This could be a problem if the channels are set to automatically attempt restarts since the NOTIFY queue will increment. The file could be sent automatically even after a messa
Sub-Cycle 3: DataIntegrator sender/receiver/manager services are unavailable								
3.3.1		DI File Transfer	Issues 'ftfend' command to stop DI services and on the EAI Bus send file from EAI Bus to DLSS via 'sendfile' shell script.		Dummy test file, "CI001S1_LO0601_T" created by COD EAI Interfaces test team.	Request will have to expire. No error message. MQ Mon will have to notify	PASS	
3.3.2		DI File Transfer	Issues 'ftfend' command to stop DI services on destination (DLSS) and send file from EAI Bus to DLSS via 'DLSSsendfile' shell		Dummy test file, "testfile.txt" created by COD EAI Interfaces test team.	Request will have to expire. No error message. MQ Mon will have to notify	PASS	
Sub-Cycle 5: MQ Queues are full								
3.5.1		DI File Transfer	Send a file that is larger than the capacity for a local queue. For MQ v. 2.2.1.1 the queue capacity is 350 MB		Dummy test file, "CI001S1_LO1111_T" created by COD EAI Interfaces test team.	File transfer takes longer than expected	PASS	