

FNV2-FCI HLD Connection Loss Use Cases

Status	IN REVIEW
Completion(%)	100%
Version	0.1
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Review Date	
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Approve Date	

- 1. Re-establish FTCP session connection to SDN

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Actors	FNV2-FCI, SDN, TCU, SYNC
Pre-conditions	1. Car is in key-on mode 2. ECG is MPTCP enabled 3. Ungraceful network disconnection occurred
Scenario Description	Due to the cellular network change or coverage change, the cellular connection is lost. ECG-FCI shall try to reestablish the FTCP connection to cloud once the cellular connection comes back. After certain amount of time or certain number of retries, if cellular connection doesn't come back, ECG-FCI shall use the MPTCP failover mechanism to establish the FTCP connection over other connections (TCU WiFi, SYNC WiFi or SYNC App Lnk).
Post-conditions	The FTCP connection to SDN is established over the available transport connection.