# MEF ’18 Demo Test Cases

This document provides a high-level summary of the main uses cases that need to be proven as testable for the MEF ’18 demo to proceed.

There are two main uses cases (compulsory) and a third use case (nice to have)

**Use Case 1 (Compulsory):**

Positive use case – Third Party Operator (TPO) uses CoT to activate a Colt product via NNI.

For the purposes of these use cases, it is assumed that the TPO is a simulated operator.

1. We must be able to illustrate that Colt is a member of the Circle of Trust – and what reputation it has before we start the actual test.
2. We need to be able to define a service which goes from one point on the TPO to a point that the TPO *cannot reach but that Colt can*. Colt is then the selected carrier for establishing this service.
3. Once that service has been instigated – an ‘order’ will arrive on Colt’s OnDemand demo system and will be visible on that portal
4. At this point, a transaction is registered on the CoT that the service delivery process has *started*
5. When the service is established on the OnDemand platform, the ‘order’ will be seen as complete on the Colt platform
6. Once it is seen to complete, Colt will register to the CoT that it has completed its side of the commitment
7. The requesting carrier then also confirms that Colt has delivered
8. Colt’s reputation on the CoT gets adjusted – Colt’s reputation should increase
9. The E2E service created should show as live/delivered
10. Tear down? Fahim needs to reset the system
11. We should be able to repeat the demo to illustrate that there is a complete reset

**Use Case 2 (Compulsory):**

Third Party Operator (TPO 1) uses CoT to activate another TPO (TPO 2) product via NNI.

For the purposes of these use cases, it is assumed that the TPOs are simulated operators and that TPO 2 does not fulfil the service promise it has made correctly – in this case ‘on time’.

1. We must be able to illustrate that TPO 1 and TPO 2 are members of the Circle of Trust – and what reputation they have before we start the actual test.
2. We need to be able to define a service which goes from one point on the TPO 1 to a point that TPO 1 *cannot reach but that TPO 2 can*. TPO 2 is then the selected carrier for establishing this service.
3. Once that service has been instigated – it is simulated that TPO 2 receives the request
4. At this point, a transaction is registered on the CoT that the service delivery process has *started*
5. TPO 2 will simulate that it has established the service (but there is something wrong that prevents it being delivered on time)
6. TPO 2 will register to the CoT that it has completed its side of the commitment
7. TPO 1 will, however, not confirm the start of the service within specified parameters
8. TPO 2’s reputation on the CoT gets adjusted – TPO 2’s reputation should decrease

**Use Case 3 (Optional)**

Adding / Removing new carriers