-04 to 05 differences

- main difference: "TOI equivalence" support

  - goal (essentially with NORM):
    - reminder:
      NORM's TOIs (in fact NormTransportId) are only 16-bit long and must be managed sequentially. Rather constraining…

  - if an updated object set for a new Carousel Instance (CI) contains TOIs that exceed the NORM sender repair window capability, the sender needs to re-enqueue old objects with new TOIs to stay within the limits…

  - so we have to say:

\[
\text{object\{newTOI, currentCIID\} == object\{oldTOI, oldCIID\}}
\]
-04 to 05 differences… (cont’)

○ convention

○ the fixed, reference TOI of an object is:

{firstAssignedTOI, firstCIID}

○ always refer to this "firstly assigned TOI" in all "equivalence" formulas to avoid confusion
  • useful to receiver having experienced a long disconnection!

○ proposal

○ a Carousel Instance Object contains the list of objects that are part of this CI…
  • as before, no change here

○ plus the list of TOI equivalences
  • new in -05

-04 to 05 differences… (cont’)

○ example: 5 re-enqueued objects in CI 16

○ the CI object for CI 16 contains:

105,106,107,(100=10/2),(101=11/2),(102=12/2),(103=13/2),(104=14/2)

new objects

old, re-enqueued, objects

(first appeared in CI of CIID 10)
Next step

- document is now almost finished…
  - ready for WGLC
  - IOHO the solution is both simple, elegant and useful