FCAST: scalable object delivery for the ALC and NORM protocols

draft-roca-rmt-newfcast-05

IETF 75 – Stockholm, July 2009

Vincent Roca (INRIA) Brian Adamson (NRL)

ÎR.

-04 to 05 differences

• main difference: "TOI equivalence" support

Ogoal (essentially with NORM):

Oreminder:

NORM's TOIs (in fact NormTransportId) are only 16-bit long and must be managed sequentially. Rather constraining...

Oif 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...

O...so we have to say:

object{newTOI, currentCIID} == object{oldTOI, oldCIID}

-04 to 05 differences... (cont')

Oconvention

Othe fixed, reference TOI of an object is:

{firstAssignedTOI, firstCIID}

Oalways refer to this "firstly assigned TOI" in all

"equivalence" formulas to avoid confusion

• useful to receiver having experienced a long disconnection!

Oproposal

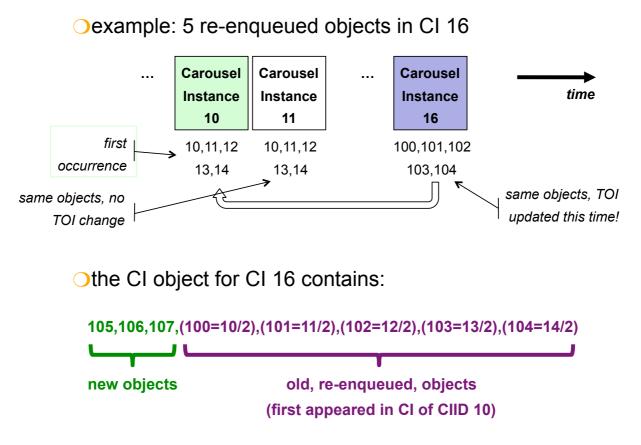
Oa Carousel Instance Object contains the list of objects that are part of this CI...

• as before, no change here

Oplus the list of TOI equivalences

• new in -05

-04 to 05 differences... (cont')



Next step

- document is now almost finished...
 - Oready for WGLC

OIOHO the solution is both simple, elegant and useful