CDNI Requirements
(draft-ietf-cdni-requirements-02)

CDNI Working Group
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Change History

Version -02
  – Published on Dec 7, 2011
  – Incorporated ATIS CSF requirements
ABR Awareness

- General ABR issue that is applicable to CDNI Interfaces such as Request Routing, Metadata, and Logging
- Some new requirements may be added to address support for ABR content in the CDNI Interfaces
- Action item depends on ABR ramification study
Redirection for Cascaded CDNs

• Proposal to add a new requirement that specifically exempts the support for DNS-based request routing for a given content in the case of cascaded CDNs with a diamond shaped multi-path topology

• Any objections?
Trigger Function

• Purge of content and metadata and pre-position of content and metadata are requirements in the Control Interface

• Depending on the solution, the requirements may need to be categorized under the proper CDNI Interface section (e.g. Metadata vs. Control)

• Action item depends on the Trigger solution
Intra-CDN Information Exposure

• Is the following requirement sufficiently clear?
  – “GEN-4 [HIGH] The CDNI solution shall not require intra-CDN information to be exposed to other CDNs for effective and efficient delivery of the content. Examples of intra-CDN information include surrogate topology, surrogate status, cached content, etc.”
uCDN Authorization Metadata

• Proposal to add a new requirement that specifies metadata to instruct the dCDN to always ask the uCDN before delivering the content (because the decision is based on information that only uCDN knows)

• Objections?
Anything Else?

• In case we’ve missed some requirement issues that were mentioned in the WG mailing list
Status

• Goal: Jun 2012 - Submit CDNI requirements to IESG as Informational

• ABR issues may prevent the spec from being completed on time