Minutes CASM 2017/3/22

Host: Marc Blanchet

Attendees:

Agustin Formoso

Benoit Claise

Telecom Italia: Giuseppe Fioccola

ZDNS: Declan Ma

China Telecom: Chen Li, Chongfeng Xie

China Unicom: Ying Cheng

Huawei: (David) Weiping XU, Will Liu, (Tony)

Marc: it is not yet clear about the scope and deliverables.

Li explained the draft “casm-pool-management-arch” - address management procedure and showed slides to explain the architecture.

Marc: Architecture in Figure 1 seems from Rakesh, which is broader. We need to get things converged.

Benoit: what you explained seems to be a subset.

Ma: you may also consider the RPKI system (Resource Public Key Infrastructure). After the prefixes are allocated, certificates need to be generated. This should connect with IPAM.

Benoit: what are the building blocks that you touch in the figure (slide 2)?

Xie: the south bound of ASMS system should be defined and standardized. A portal may be used for address configuration. A north bound interface could be defined.

Benoit: what is the flow among these entities (DHCP message/Yang?).

Xie: if we deploy centralized interface, there is only interaction between BNG and our management server. Currently, there is no management server; the configuration is done on BNG.

Benoit: I see disconnection between requirement and current implementation, which is a subset.

Xie: this architecture can cover several use cases. For example, it can be used on DHCP configuration, IPTV.

Benoit: do these people want to work on the full scope, or the scope is to only have BNG interaction?

Xie: address allocation in the cloud may be considered in the architecture. It is very important; some automatic mechanisms can be used.

Giuseppe: dynamic service creation could be an important use case. The application is crucial.

Liu: I was looking at the draft from Rakesh. Chen Li addressed most of the scenarios in Rakesh’s draft.

Benoit: how the use cases are covered by your draft? What is the current interaction flow from operator to network elements (BNG/DHCP…)? Do we have meeting agenda?

TODO:

1, identify the details on south/north bound interfaces

2, show how the use cases are covered

3, consider the interaction flow of Address Space Management & Control

4, chairs decide the topics during BoF

5, start a thread to find a timeslot for a meeting on Sunday for better preparation