OsmoSTP - Bug #4234

osmo-stp segfaults if IPA client connects to AS with routing-key != 0

10/18/2019 09:35 PM - laforge

Status: Resolved
Priority: High
Assignee: laforge
Category: Target version:
Spec Reference:

Description
When using something like this

```
  as mahlzeit ipa
  routing-key 1005 5
```

and then connecting an IPA client, we crash in ipa_asp_fsm_wait_id_ack2() which contains an OSMO_ASSERT(as). The assert fails as we look-up the assert with a static routing-context of '0' (IPA doesn't allow us to transport a routing context in the message), which fails.

This is similar to #4233

The proper solution is probably to prevent the user from ever configuring a non-zero routing context for IPA AS.

Related issues:
Has duplicate OsmoSTP - Bug #4233: osmo-stp segfaults if IPA client with unknown unit_name attaches added

Associated revisions
Revision 89407619 - 10/20/2019 04:55 PM - laforge

Don't permit routing-context != 0 for IPA peers

The IPA protocol doesn't have the context of routing-keys. We are only permitting routing key '0' (as the default routing key) when configuring via VTY.

Change-Id: i3f166f44903d0b93963cc5d0cca73d277d2b7215
Fixes: OS#4234, OS#4233

History
#1 - 10/20/2019 04:53 PM - laforge
- Status changed from New to In Progress
- % Done changed from 0 to 50

With the below patch, VTY now only permits routing-context 0 for IPA peers
https://gerrit.osmocom.org/c/libosmo-sccp/+/15815

#2 - 10/20/2019 04:57 PM - laforge

https://gerrit.osmocom.org/c/libosmo-sccp/+/15816 adds some related comments to the code.

#3 - 10/20/2019 04:58 PM - laforge
- Has duplicate Bug #4233: osmo-stp segfaults if IPA client with unknown unit_name attaches added

#4 - 10/22/2019 07:54 PM - laforge
- Status changed from In Progress to Resolved
- % Done changed from 50 to 100