

Year 1 after the NITB split

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slides

<http://people.osmocom.org/neels/2018>

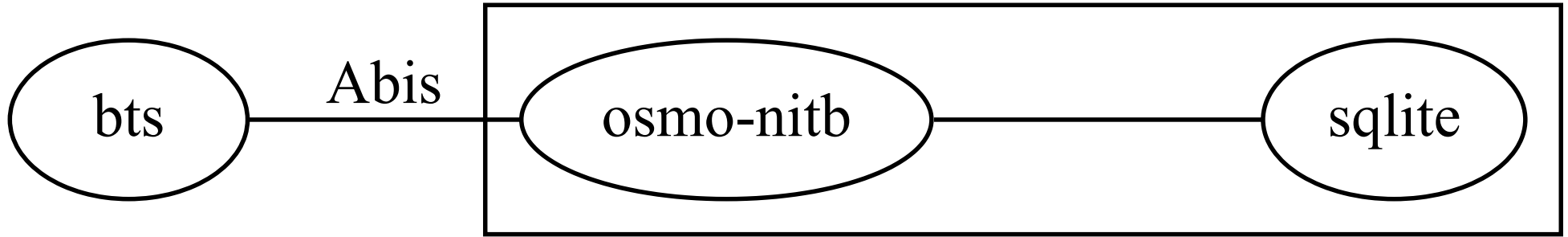
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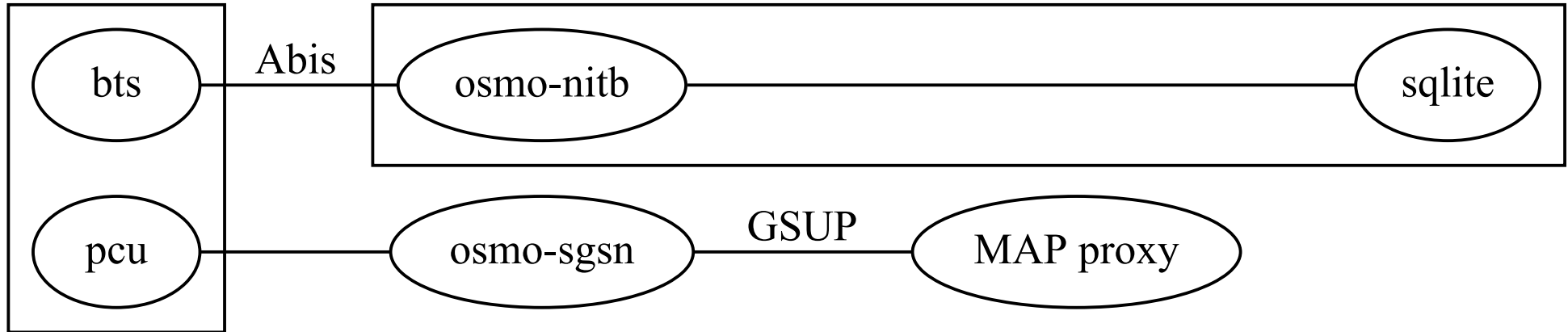
bsc_hack.c

- `bs11-abis`
- `bsc-hack`
- `openbsc.git`

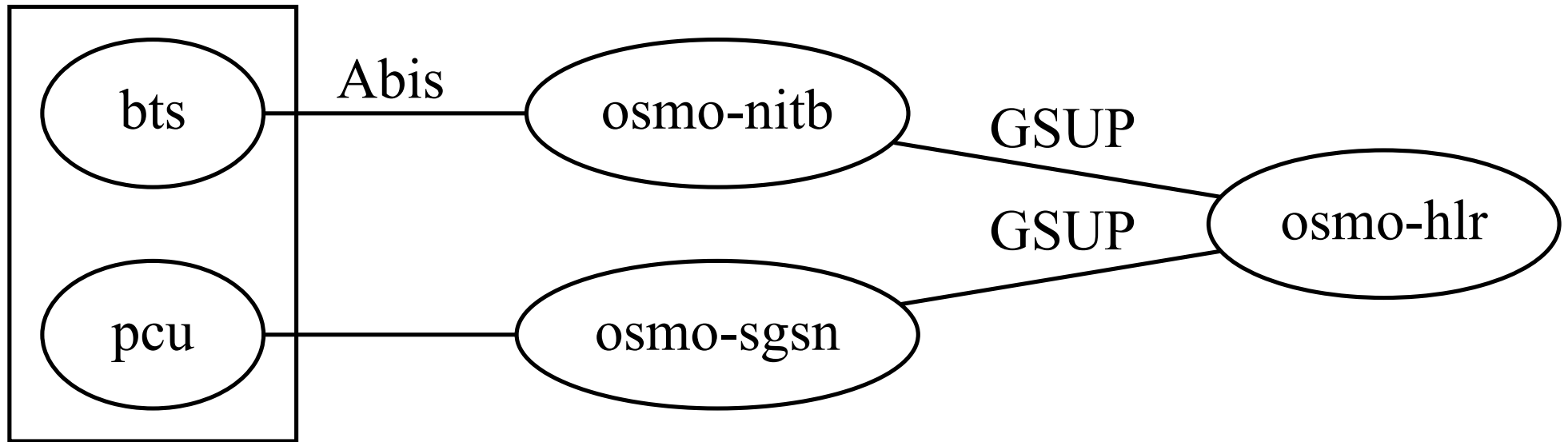
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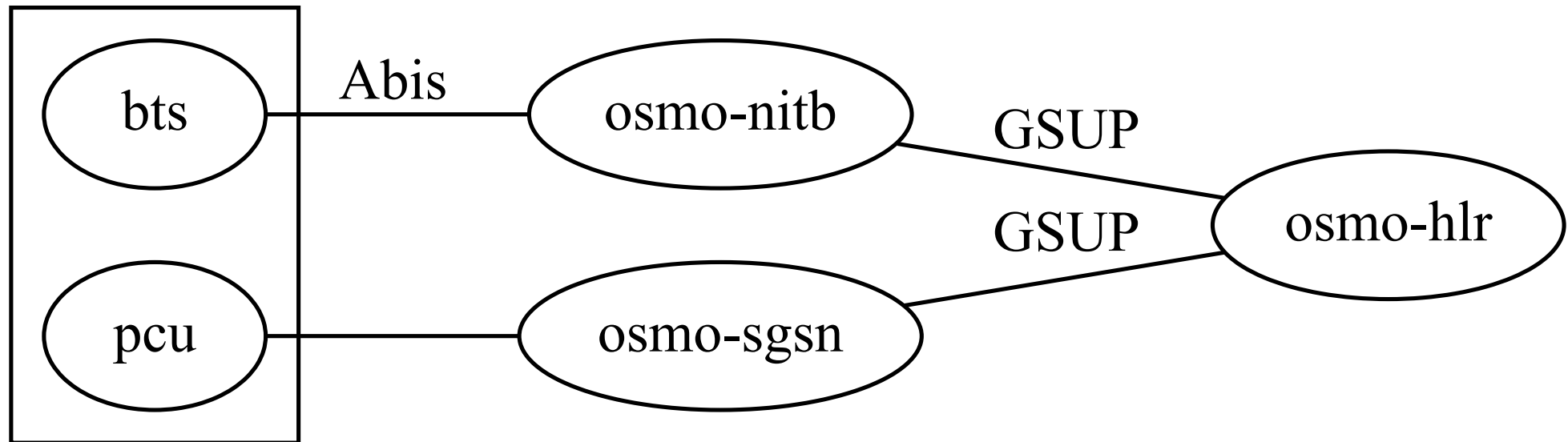
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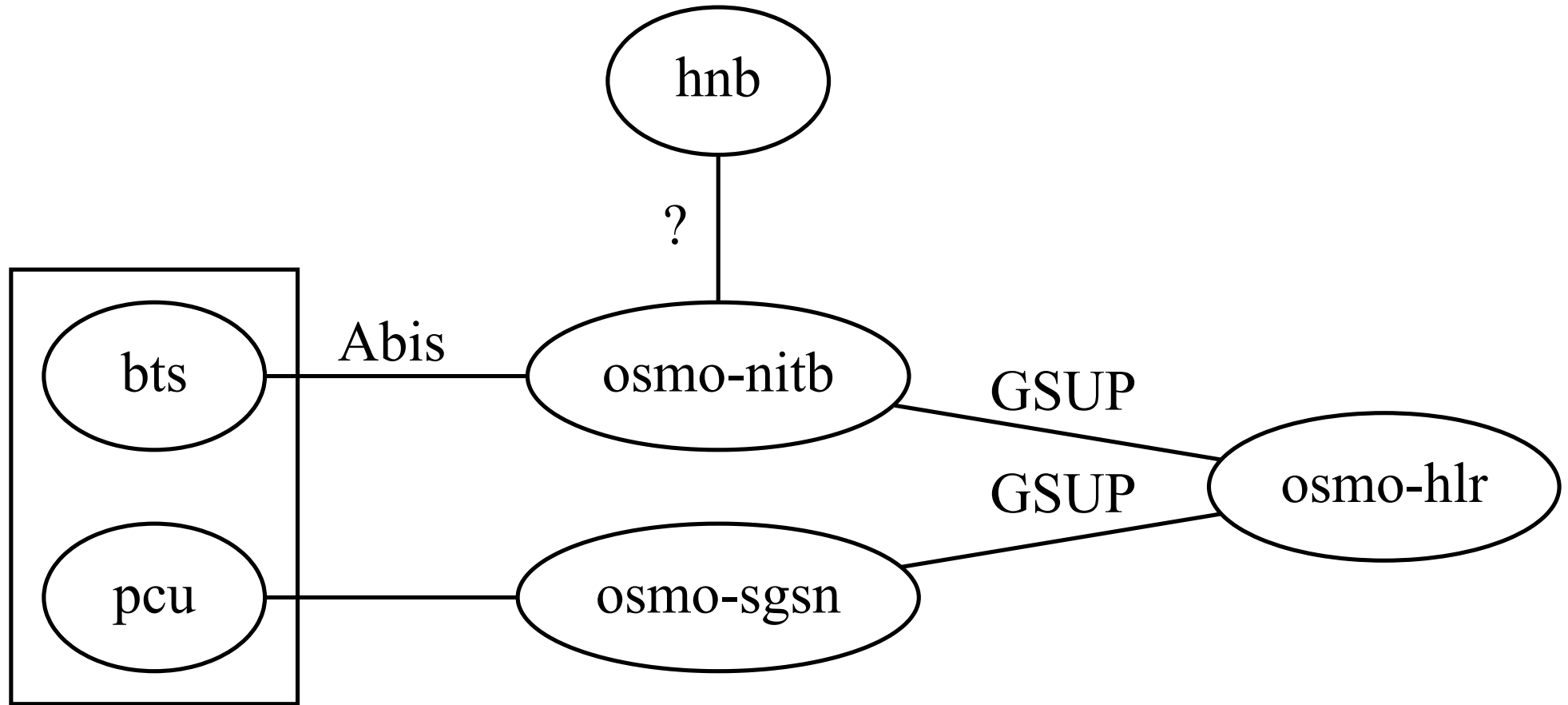


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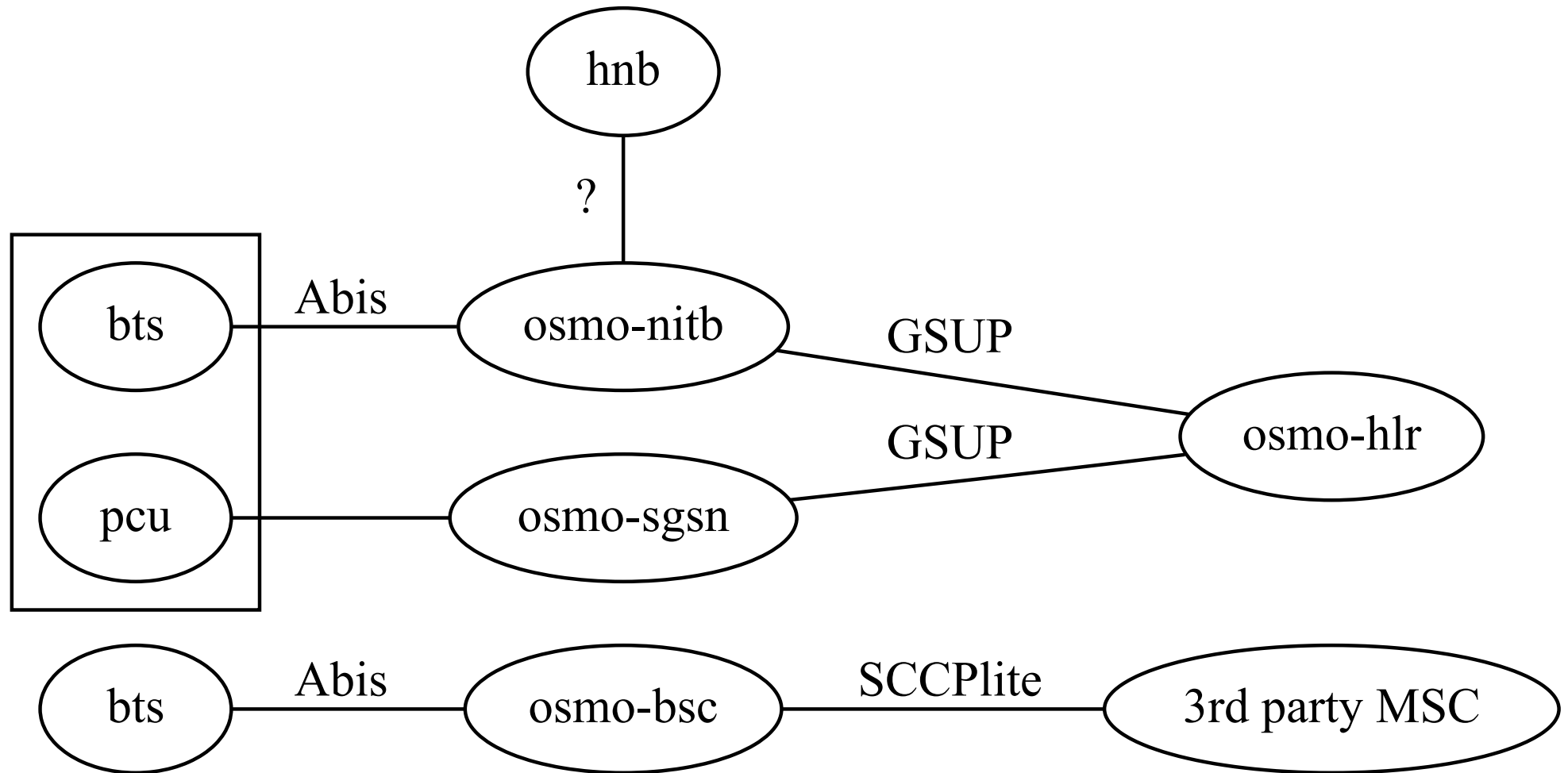


- common HLR
- async, 3GPP spec conforming FSMs
- Milenage, a.k.a. UMTS AKA

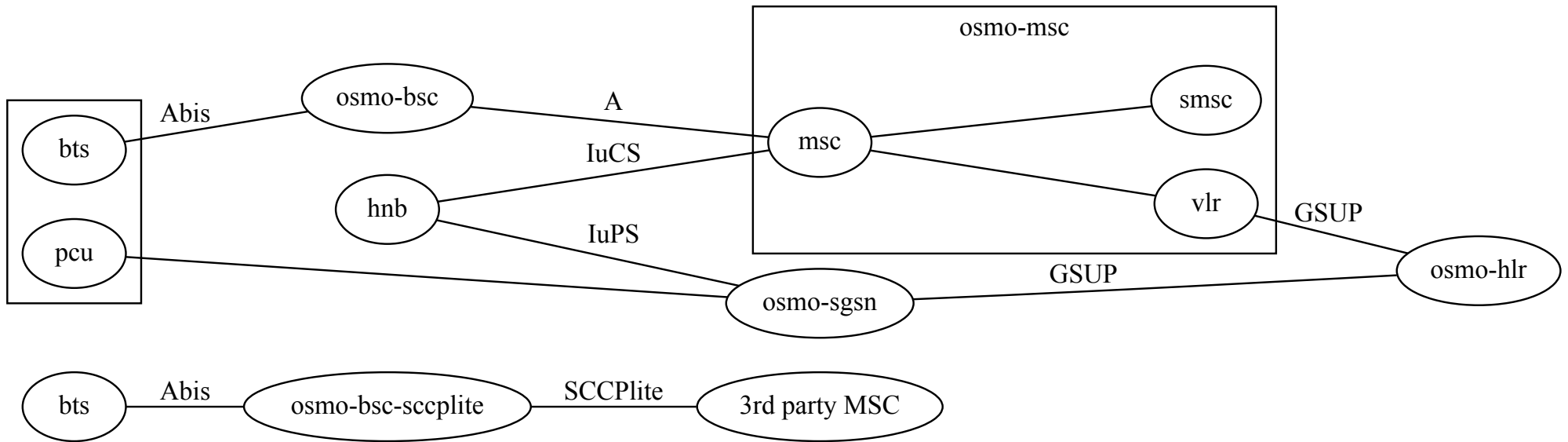
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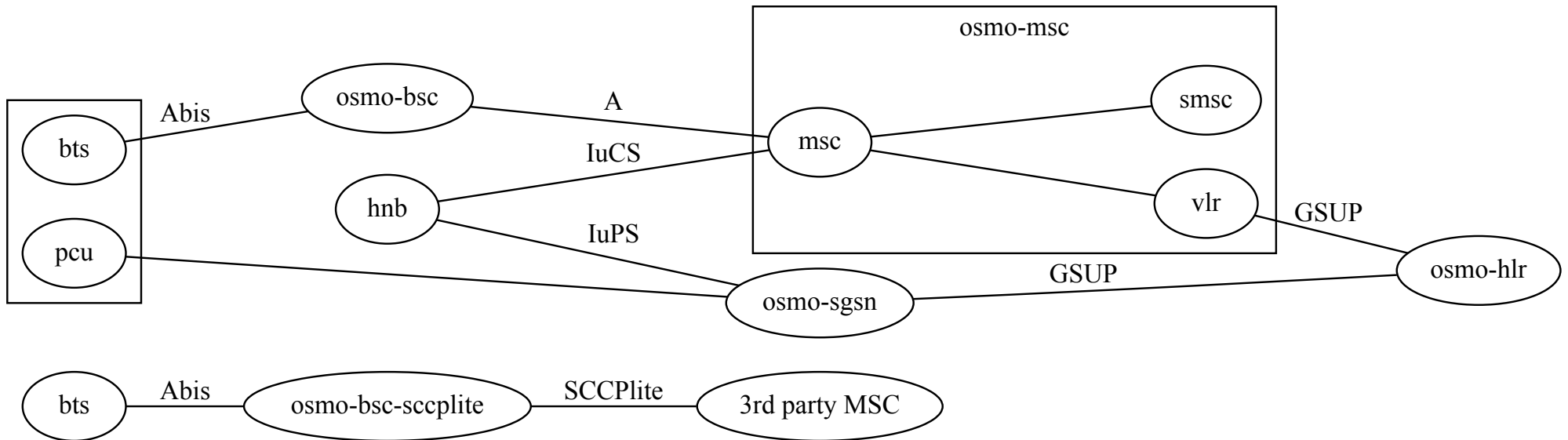
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split components

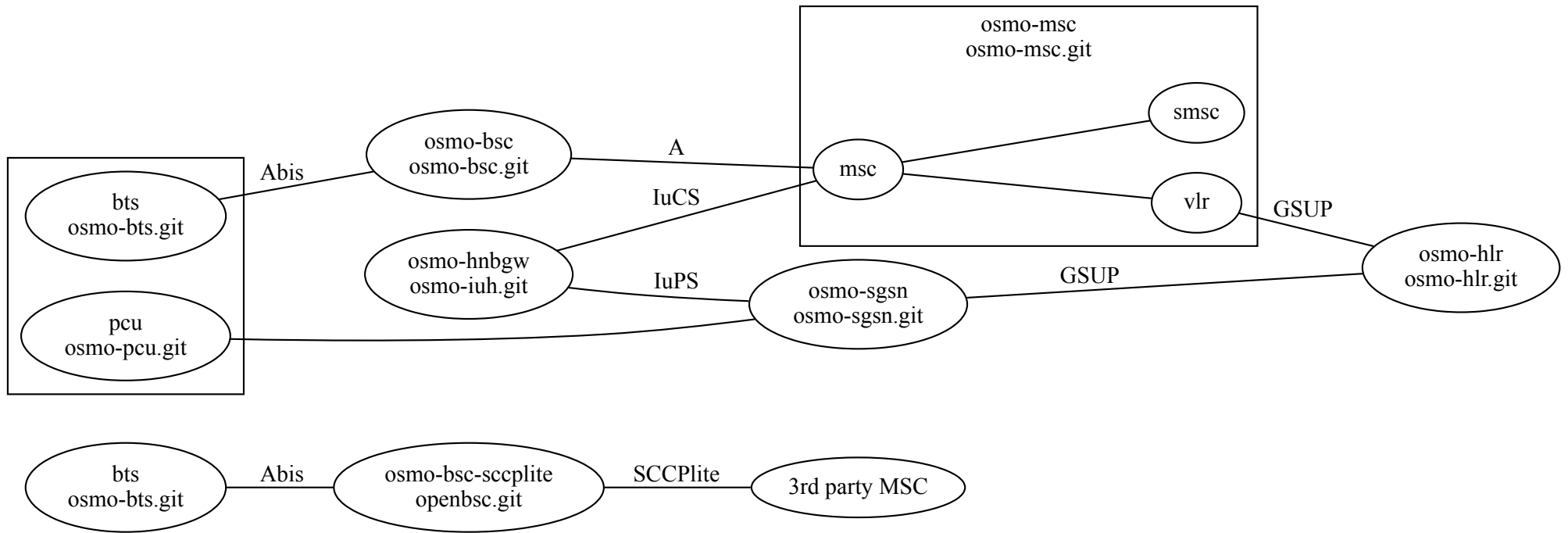


split components

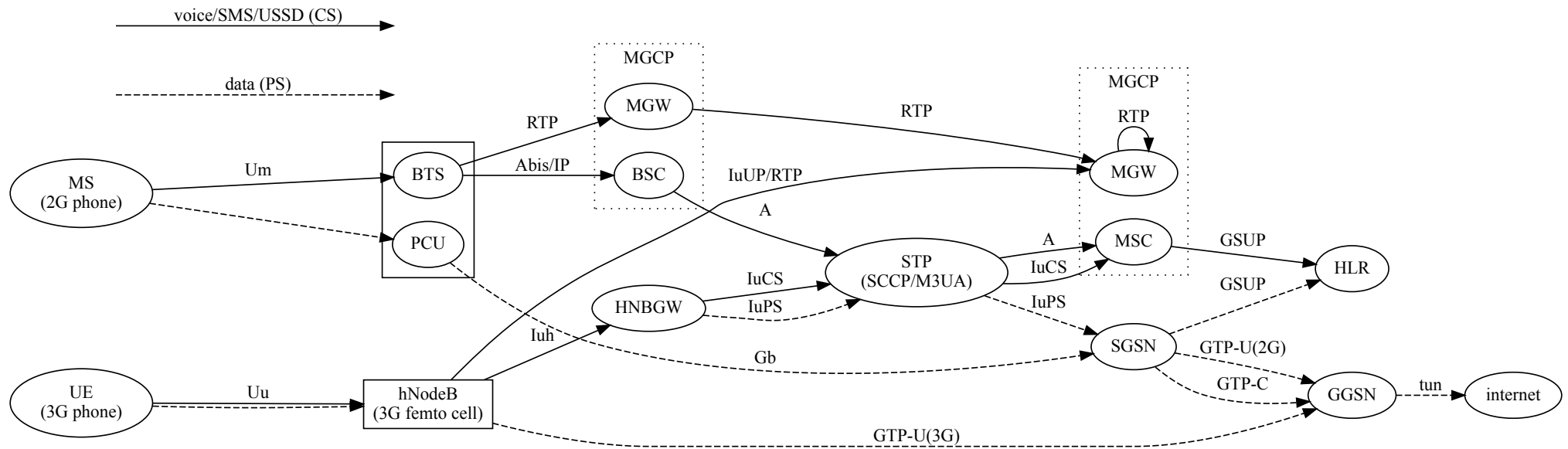


- 3G support
- true A interface
- true SCCP/M3UA; interop with 3rd party MSCs

split components



split components



well, it was inevitable

If you change everything without a comprehensive test suite, what do you get?

- 34c3:
 - used new split components
 - first time with 3G cells
 - a complete disaster.
- ttcn3 to the rescue
 - tests actual complete program interaction
 - `docker-playground.git` runs ttcn3 tests of "all" components
 - uncovered scores of bugs, now we are fixing them
- Soon we should be able to confidently assert stability.

known broken things to fix

- meas_feed — re-add to osmo-bsc [OS#2968](#)
- A5/3 — implement Classmark Request [OS#3043](#)
- external MNCC ("fixed" now?)

not implemented anymore/yet

- log lchan details in MSC — implement Osmo-specific TLVs [OS#2391](#)
- log subscriber details in BSC — implement l3-compl screening, or TLVs [OS#2969](#)
- retrieve IMEI — add VLR vty config [OS#3189](#)
- IMEI in HLR — send IMEI via GSUP [OS#2541](#)
- subscriber create-on-demand [OS#2542](#)

plans / ideas

- add SCCPlite support to osmo-bsc.git [OS#2544](#)
 - osmo-bsc_nat [OS#2545](#)
- transcoding in osmo-mgw
- separate SMSC ?
- "osmo-network-check" tool [OS#2584](#)
- simplify single-box operation [OS#3142](#)

Release Request

- Release Command
- Release Complete