Stateless mobility functions

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Motivation

• Network functions are stateful!

• Decoupling state from network function might ease scaling-in/out of mobility function resource

• In 3GPP NextGen system architecture, stateless NF is mentioned

Mobility state management

- 1) State transfer from one to another
- 2) State managed in an external entity
Discussion

• Such trials need to be considered to make the current mobility protocol operations flexible?
  – Mobility anchor switching?
  – Smooth gateway relocation support?
  – Failover of mobility function?
Next step

• Investigate use cases in details with existing mobility management protocols for future mobile networks

• Write problem statement based on the use cases
Q & A

• Is it interested in DMM WG?

• Your interest and cooperation will kindly be welcome