

# Security on demand for (DS)MIP6

## I-D: draft-bajko-mext-sod

Gabor Bajko, Basavaraj Patil, Teemu  
Savolainen

**NOKIA**

# Background

- Securing the traffic or user plane tunnel between the MN and HA is optional as per RFC3775
- Data plane security (between MN-HA) is a choice made by the MN only

# Problem statement

- Protocol and implementations lack a clear way of initiating security for the user plane tunnel
- While security for the signaling messages at all times is a MUST, it is not the same for user plane traffic

# Proposal

- Extend the MIP6 signaling by including a bit in the BU/BAck messages to trigger security for the user-plane traffic (tunnel between MN-HA)
- Security is toggled on a need basis for traffic

# Question to WG

- Adopt this I-D as the baseline for the WG milestone:
  - “Dec 2011 Submit I-D 'Negotiation of the protection for payload traffic' to IESG for publication as Proposed Standard.”