GALLANTWAVE@scale
GALLANTWAVE @ volume
Requirements

@Scale
- Deploy more widely
- Leverage peering with partner

@Volume
- Increased system size: 10G -> 40G -> 100G
- Increased target volumes: CORNERKICK ++
@Scale

Need

§ Peer to forward “‘missing’ attack-events to LONGHAUL”, to LONGHAUL, so LONGHAUL can use them to complete single-sided processing.

§ LONGHAUL to reciprocate.

Approach

§ LONGHAUL to become aware of which ‘Events’ are not pairing local to agency and to request peer to send (copy) of such events to LONGHAUL

§ Minimise bandwidth required to communicate requests

§ Peering is a back-end (KPS <-> LONGHAUL)

§ Peers process independently
Single-sided A->B using peering

- KPS
  - need[B'->A']
  - event[B->A] → SF
    - request[A->B]
    - responseFound[A->B]
  - event[B->A] → MVR
    - need[B'->A']

- GW
Filtered pairing

GW-2

responseFound[B->A]

request[B->A]

GW-1

responseFound[A->B]

request[A->B]

SF

event[B->A]

event[E->F]

need[A'->B']
need[F'->E']

need[B'->A']
need[D'->C']

event[A->B]

event[C->D]