

# Proposed VID Usage Digest TLV

- Proposed usage values on S-tagged interface:
  1. S-VLAN;
  2. B-VLAN;
  3. PBB-TE path identifier (ESP).
- Key usage to detect 'leakage' leakage that may occur between Path and VLAN
  - see slides 8 & 9 of [Presentation ah-sultan-dunbar-pbt-requirements-0107.ppt](#) in public contributions.
- Address TLV size with hash of 1024-byte VID usage table (4096 VIDs x 2-bit usage value).
  - CRC32
  - MD4 (128 bits)
  - MD-5 (128 bits)
  - SHA-1 (160 bits)
- Proposal to use CRC32 over 1024-byte table.
  - Since usage is error detection (vs. security)

# VID Usage TLV to Detect Inconsistent VID Tables

