

Mobile IP Vendor/Organization Specific Extensions

draft-ietf-mobileip-vendor-ext-01.txt

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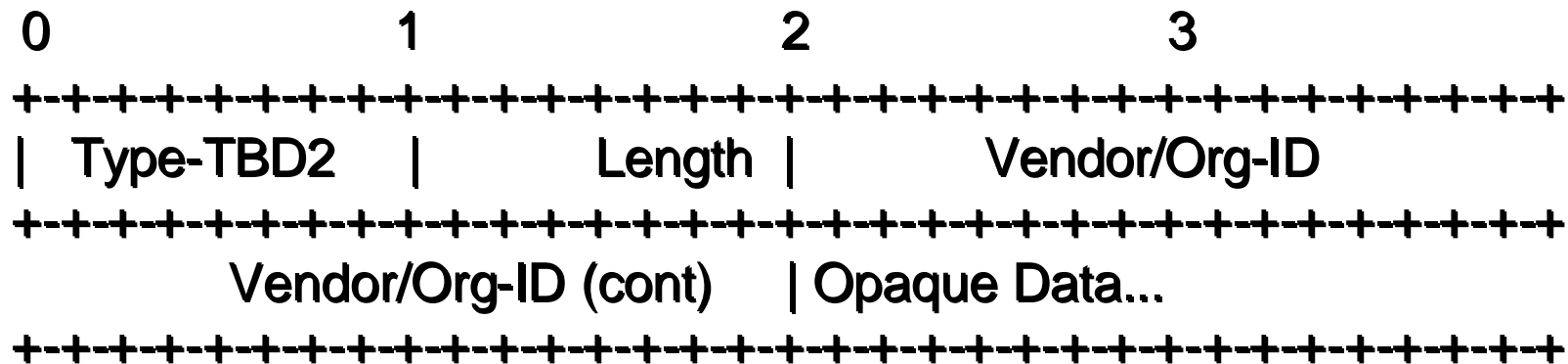
Need for Vend/Org extensions

- **Research and Experimentation**
- **Deployment**
 - Specific environments**
- **Will help Standards Organizations (e.g., TR45.4/TR45.6) to standardize on usage in specific environments**

Extensions to Mobile IP

- **Normal Vend/Org Specific extension (NVSE)**
- **Critical Vend/Org Specific extension (CVSE)**

Normal Vend/Org Specific Extension (NVSE)



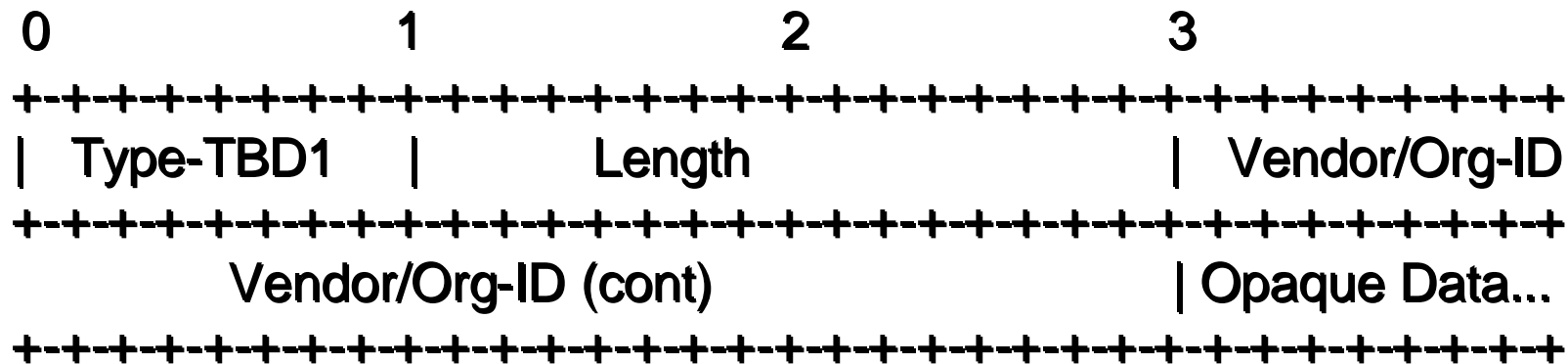
- Type-TBD2 should be in the range 128-255
- Vendor-ID

The high-order octet is 0 and the low-order 3 octets are the SMI Network Management Private Enterprise Code of the Vendor as defined in RFC1700 (Similar to RFC2138).

- Opaque Data

Vendor/organization specific data.

Critical Vend/Org Specific Extension (CVSE)



- Type-TBD1 should be in the range 0-127

Error Codes

- **Reg denied by FA**

TBD-code1: Unsupported Vendor ID or Type

- **Reg denied by HA**

TBD-code2: Unsupported Vendor ID or Type sent by MN to HA

TBD-code3: Unsupported Vendor ID or Type sent by FA to HA

Comments and Suggestions

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Other Details

- **Multiple extensions of CVSE and NVSE can be included in a message**
- **Extensions should be protected by the appropriate authentication extension**