

**Project: IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)**

**Submission Title:** [Resolution to SB CID# i-407]

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**Source:** [Kunal Shah] Company [Silver Spring Networks]  
[] Company []

Address []

Voice: [], E-Mail:[kshah @ silverspringnet.com]

**Re:** []

**Abstract:** [Proposed Comment Resolutions to CID #'s i-407]

**Purpose:** [Technical proposal. Presented to the 802.15.4g SUN Task Group for consideration.]

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# Background

- 15.4 specifies MAC commands along with their command identifier (Table 50)
- Special custom MAC command is required to implement vendor specific protocol
- None of the 15.4 MAC commands solve the purpose for custom MAC command

# Proposed Resolution CID# i-407

Add a new command below 7.5.24 as shown below,

## 7.5.25. Vendor Specific Command

The Vendor Specific command Content field shall be formatted as illustrated in Figure xx.

Octets: 3	Variable
Vendor OUI	Vendor specific data

Figure xx – Vendor Specific command Content field format

# Proposed Resolution (contd.)

The Vendor OUI field is the OUI assigned by the IEEE standards association registration authority committee (RAC), which shall be the sole registration authority. A value of vendor OUI not understood by a receiving device causes the remainder of this field to be ignored.

The Vendor Specific Data field is defined by the vendor identified in the vendor OUI field. Its use by a device is outside of the scope of this standard.

Need to request ANA to get the command identifier for Vendor Specific Command content.