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# SMPTE RECOMMENDED PRACTICE

## Monitoring and Diagnostics Processors



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### 1 Scope

This practice defines the type-specific messages which enable the transport of status monitoring and diagnostics protocol (SMDP) data as defined in SMPTE 273M bi-directionally over ESbus and ESlan. It defines the diagnostics processor as a distinct virtual machine type. It is intended for use when it is desired to pipe (transport) SMDP information over ESbus or ESlan as an alternative to the use of the dedicated SMDP transport mechanism.

### 2 General

#### 2.1 Virtual machine type

Monitoring and diagnostics processors operating under SMPTE status monitoring and diagnostics protocol (SMDP [SMPTE 273M]) shall be identified as virtual machines of a type which is uniquely coded as "07" expressed as an 8-bit word in hexadecimal form.

#### 2.2 Notation

This practice describes the coding of keywords in the form shown below.

<NNh>                      KEYWORD  
[The coding NN represents  
the assigned keyword in  
hexadecimal format.]

Format:                      <COMMAND>  
                                 <PARAMETER NAME 0>    [Parameter description; parameter  
                                 |                                   value coding, scale, or range;  
                                 |                                   parameter definitions and  
                                 |                                   explanations.]  
                                 <PARAMETER NAME n>

In the SMPTE Recommended Practices listed in annex A, keywords are listed numerically in hexadecimal notation. Keywords are reserved as follows:

- Keywords 00<sub>h</sub> – 1F<sub>h</sub>:      System service subset
- Keywords 20<sub>h</sub> – 3F<sub>h</sub>:      Common message subset
- Keywords 40<sub>h</sub> – FF<sub>h</sub>:      Virtual machine type-specific subset