

-Tutorial?-  
A Plea for the continuation  
Of the Clause 30 concept

P802.3cf TF Interim Mtg  
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# Some Background (1)

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Existing 802.3 Management was done in a VERY different environment:

- 1) Original standard (1985) had very sketchy and Incomplete outline for mgmt added in 1990.  
Needed completion
- 2) First “real” management standard was Hub Management (802.3k – 1993), Open question of protocol
- 3) GDMO project was 802.3q – 1993
- 4) Brought some slides Hub Management ca. 1990  
Scanned from overhead transparencies.  
Some handwritten (PowerPoint for the PC came out in '90)

# Some Background (2)

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In 1990 there was no established multivendor protocol.

Principles and syntax were still under development.

Contenders were:

- SNMP from the IETF
- CMIP from (somewhere in ) ISO/IEC

There was NO expertise in 802.3 (though several amateurs)

There was little expertise in 802

We wanted something in 802.3 that was:

Maintainable by 802.3 members.

Protocol independent.

Could be used by “MIB Doctors” as complete instructions

# Then and Now

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We wanted something in 802.3 that was:

- Maintainable by 802.3 members.

- Protocol independent.

- Could be used by “MIB Doctors” as complete instructions

ALL OF THOSE REASONS ARE STILL VALID !

For current projects, getting the management portion of an amendment is an ongoing problem.

# The Result

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## CLAUSE 30

Based on ISO/IEC GDMO

Limited so SNMP can also be derived

No compiler, therefore no compiling test.

Specified hierarchy

Specified behavior

Standardized object names, naming convention

Could be extended by imitation (no manual available)

## DIDN'T

Do a protocol.

Do derived objects

- Rate gauges
- Computed objects

# Ancient Documents

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What I dug out of the cellar:

- HM #90/28Slides - TUTORIAL, Irvine 802 Mar. 1990
- HM #90/29Slides – 802.1 Tech Plenary, Mar. 1990
- HM #90/35f Counter size discussion BICC, April 1990

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**The END**

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