Revisit RFC 1213:

Object (Page 10 of RFC 1213)

There are 3 extensibility mechanisms.

We need to design within one of these mechanisms an external internet extension code/codification system to be included. See example on page 14 of RFC 1213
(Shown on the next slide)

DESCRIPTION

"The vendor's authoritative identification of the network management subsystem contained in the entity. This value is allocated within the SMI enterprises subtree (1.3.6.1.4.1) and provides an easy and unambiguous means for determining `what kind of box' is being managed. For example, if vendor `Flintstones, Inc.' was assigned the subtree 1.3.6.1.4.1.4242, it could assign the identifier 1.3.6.1.4.1.4242.1.1 to its `Fred Router'."

Such a system should be able to:

- Automatically identify the PEN in a private as well as the public internet environments
- At implementation point, this unique object must be robustly unambiguous on the public internet as well
- Constitute a legitimate connection point between the private and the public internet