

Project	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >	
Title	<b>Proposal for Modifying Network Resource Models</b>	
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Re:	Contribution to IEEE 802.16i	
Abstract	This contribution proposed to modify information models, the new models will be more extensible for 802.16 entities' definitions.	
Purpose	Adoption	
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# Proposal for Modifying Network Resource Models

## Introduction

This contribution is to modify the information models which will make the network resource model more extensible for 802.16 entities' object definitions.

And also change the layout of chapter 15.1.2 which describes BS and SS separately.

Additionally use "Courier New" font for object names.

## Proposed Text

*Add to Section 2:*

[01] 3GPP TS 32.101: "Principles and High Level Requirements"; V6.1.0 (Release 6) [http://www.3gpp.org/ftp/specs/archive/32\\_series](http://www.3gpp.org/ftp/specs/archive/32_series)

[02] 3GPP TS 32.150: "Integration Reference Point (IRP) Concept and Definitions", V6.4.0 (Release 6) [http://www.3gpp.org/ftp/specs/archive/32\\_series](http://www.3gpp.org/ftp/specs/archive/32_series)

[03] 3GPP TS 32.151: "Integration Reference Point (IRP) Information Service (IS) Template", V6.1.1 (Release 6) [http://www.3gpp.org/ftp/specs/archive/32\\_series](http://www.3gpp.org/ftp/specs/archive/32_series)

[04] 3GPP TS 32.152: "Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) Repertoire", V6.3.0 (Release 6) [http://www.3gpp.org/ftp/specs/archive/32\\_series](http://www.3gpp.org/ftp/specs/archive/32_series)

[05] 3GPP TS 32.622: "Configuration Management (CM); Generic Network Resources Integration Reference Point (IRP); Network Resource Model (NRM)"; V6.5.0 (Release 6) [http://www.3gpp.org/ftp/specs/archive/32\\_series](http://www.3gpp.org/ftp/specs/archive/32_series)

[06] 3GPP2 S.S0028-002-C: "OAM&P for cdma2000 (3GPP2 Generic NRM IRP)" [http://www.3gpp2.org/Public\\_html/specs/index.cfm](http://www.3gpp2.org/Public_html/specs/index.cfm)

*Add to Section 15.1*

This subclause defines the NRM IRP IS for 802.16 Mobile & Fixed Network, and is based on the IS Template defined in [03] as well as the UML Repertoire defined in [04] - refer to these specifications for details on how to interpret the information defined below.

*Remove chapter 15.1.2 and move all subsections of the current 15.1.2 one level up.*

*Replace the 15.1.2.1 as following:*

### **15.1.2.1 Information entities imported and local labels**

This subclause identifies a list of information entities that have been defined in other specifications and that are imported in the present document (see also [03]).

Table 7 — Information entities imported and local labels

Label reference	Local label
3GPP TS 32.622 [05], information object class, ManagedElement	ManagedElement
3GPP TS 32.622 [05], information object class, ManagedFunction	ManagedFunction
3GPP TS 32.622 [05], information object class, SubNetwork	SubNetwork
3GPP TS 32.622 [05], information object class, Top	Top
3GPP2 S.S0028-002-C-[06], information object class, ExternalIOC	ExternalIOC

Replace 15.1.2.2 chapter as following:

15.1.2.2 Class diagram

15.1.2.2.1 Attributes and relationships

This clause provides the overview of all information object classes in UML. Subsequent clauses provide more detailed specification of various aspects of these information object classes.

The naming and containment for the protocol neutral network management models of the 802.16 standard are shown in the following figures. They are split in several figures only for a readability purpose.

15.1.2.2.1.1 WmanSubNetwork Relationships

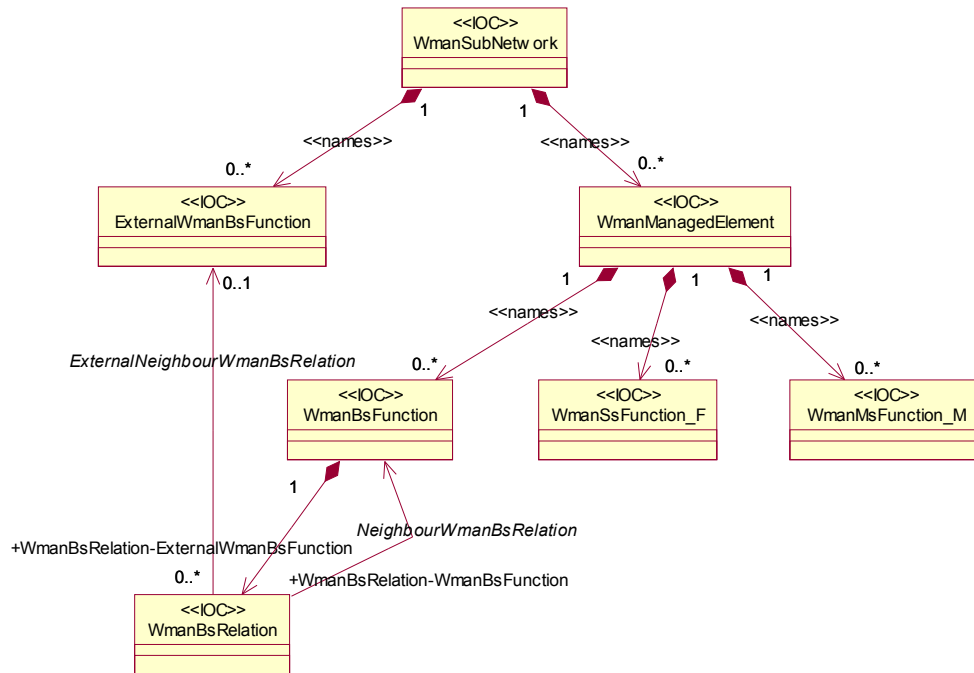


Figure 1 WmanSubNetwork Containment/Naming and Association Diagram

15.1.2.2.1.2 Bs Object Relationships

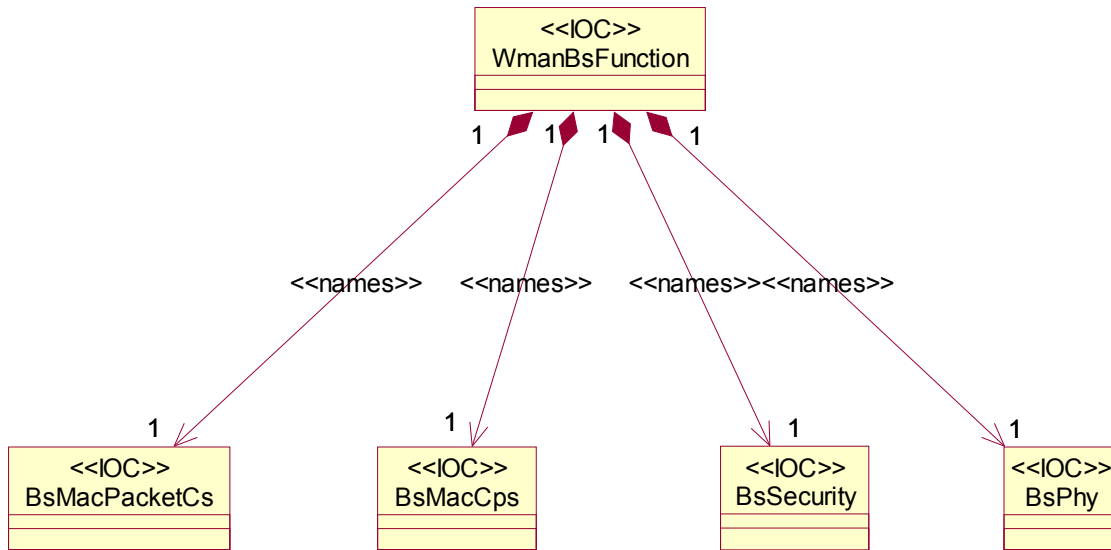


Figure 2 WmanBsFunction Containment/Naming and Association Diagram

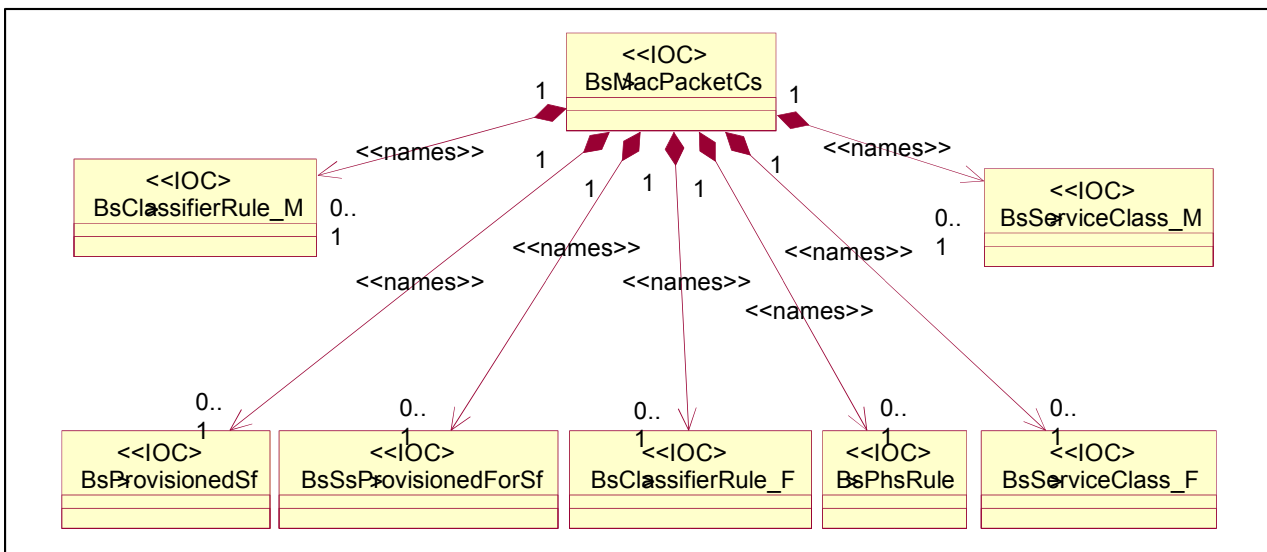


Figure 3 BsMacPacketCs Containment/Naming and Association Diagram

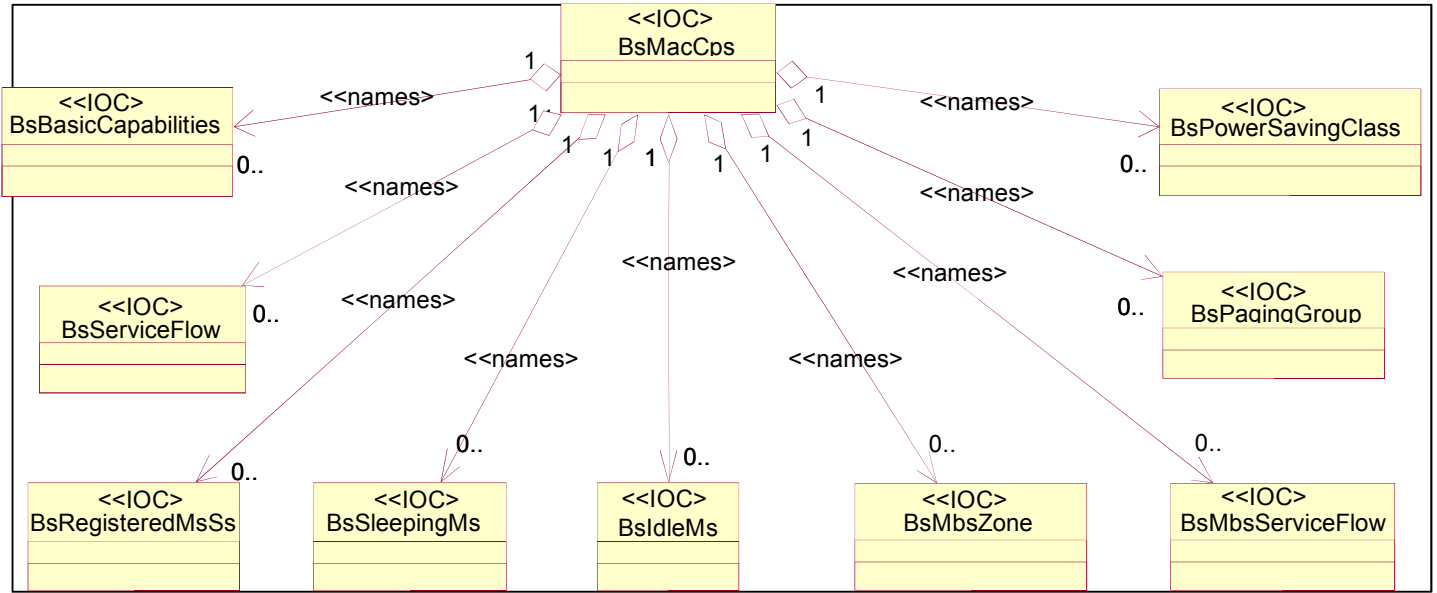


Figure 4 BsMacCps Containment/Naming and Association Diagram

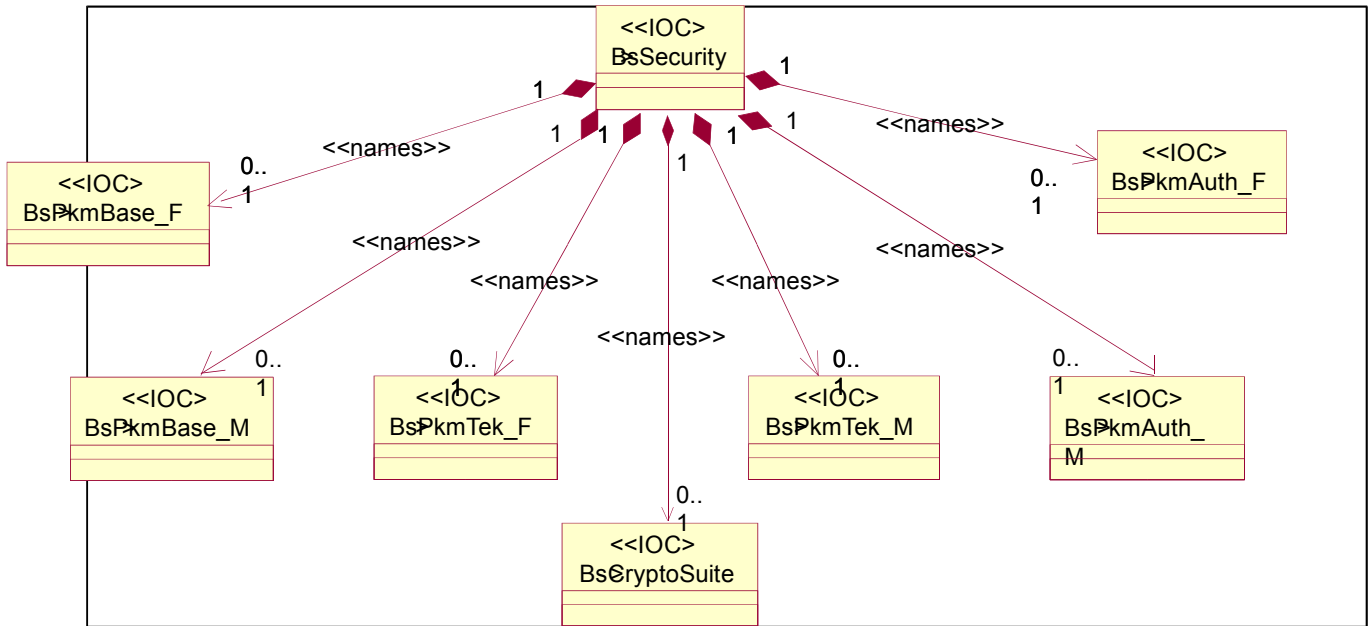


Figure 5 BsSecurity Containment/Naming and Association Diagram

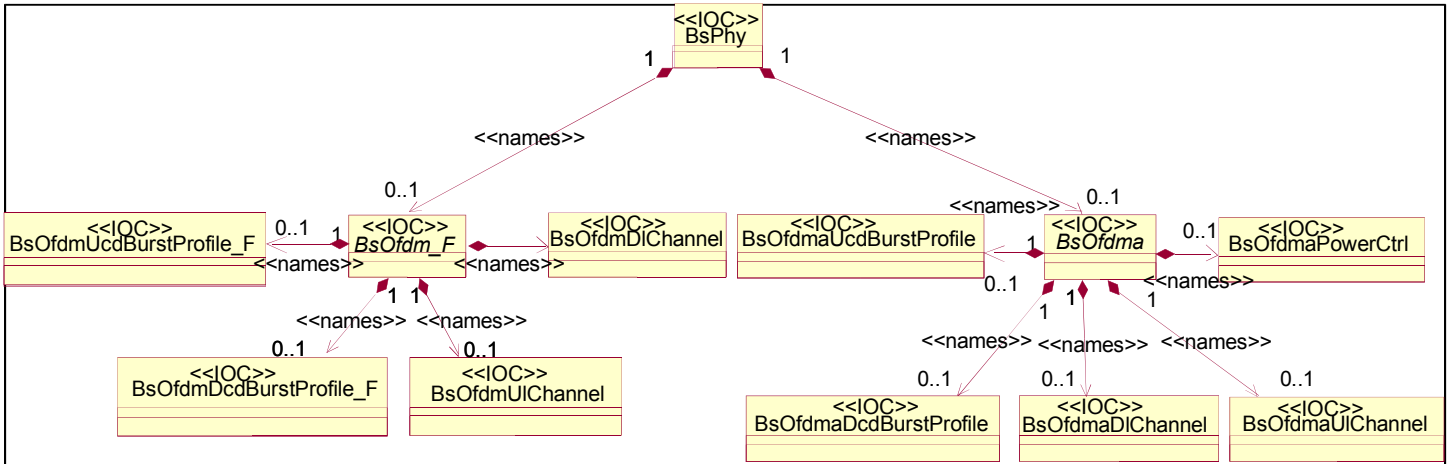


Figure 6 BsPhy Containment/Naming and Association Diagram

15.1.2.2.1.3 Ss Object Relationships

TBD.

15.1.2.2.2 Inheritance

This clause depicts the inheritance relationships that exist between information object classes.

15.1.2.2.2.1 TOP Inheritance

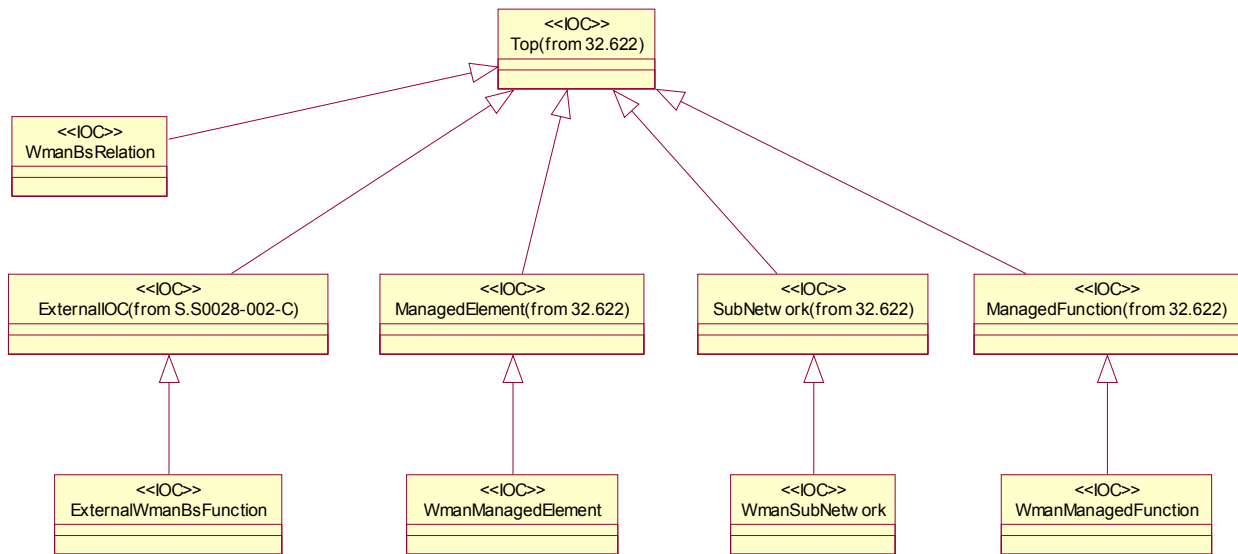


Figure 7 Top Inheritance Hierarchy Diagram

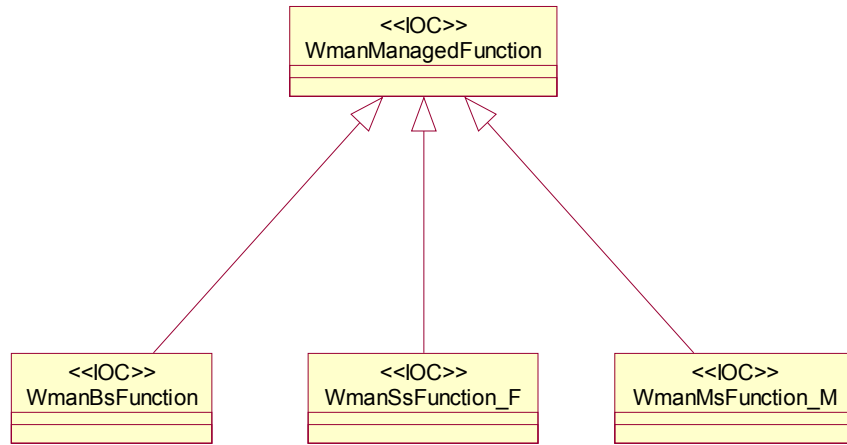


Figure 8 WmanManagedFunction Inheritance Hierarchy Diagram

15.1.2.2.2.2 Bs Object Inheritance

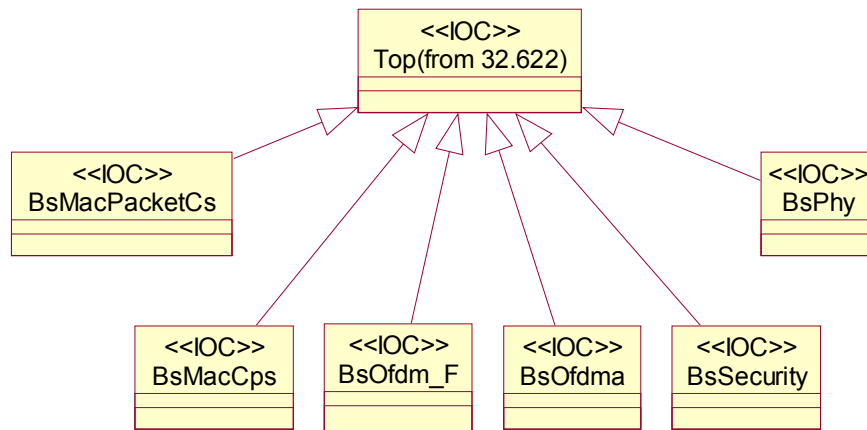


Figure 9 Bs Inheritance Hierarchy Diagram

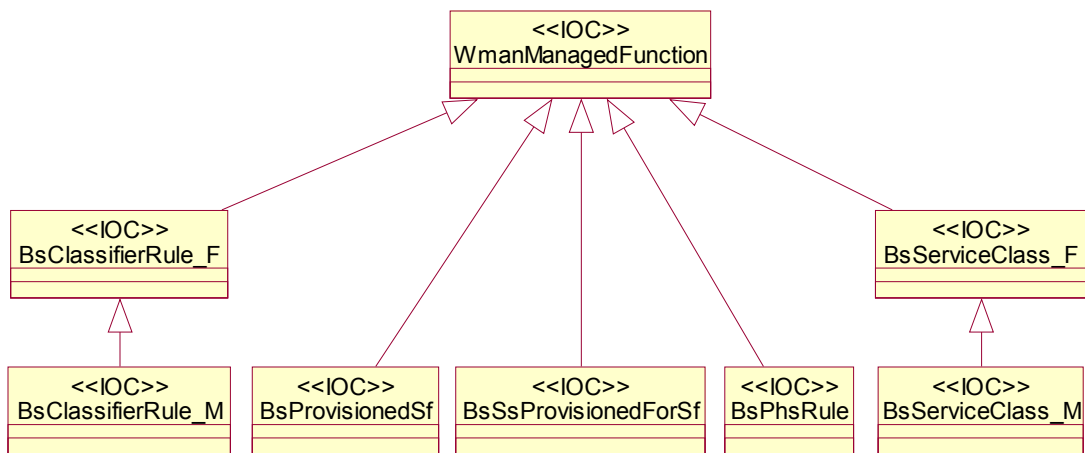


Figure 10 Bs PacketCs Inheritance Hierarchy Diagram

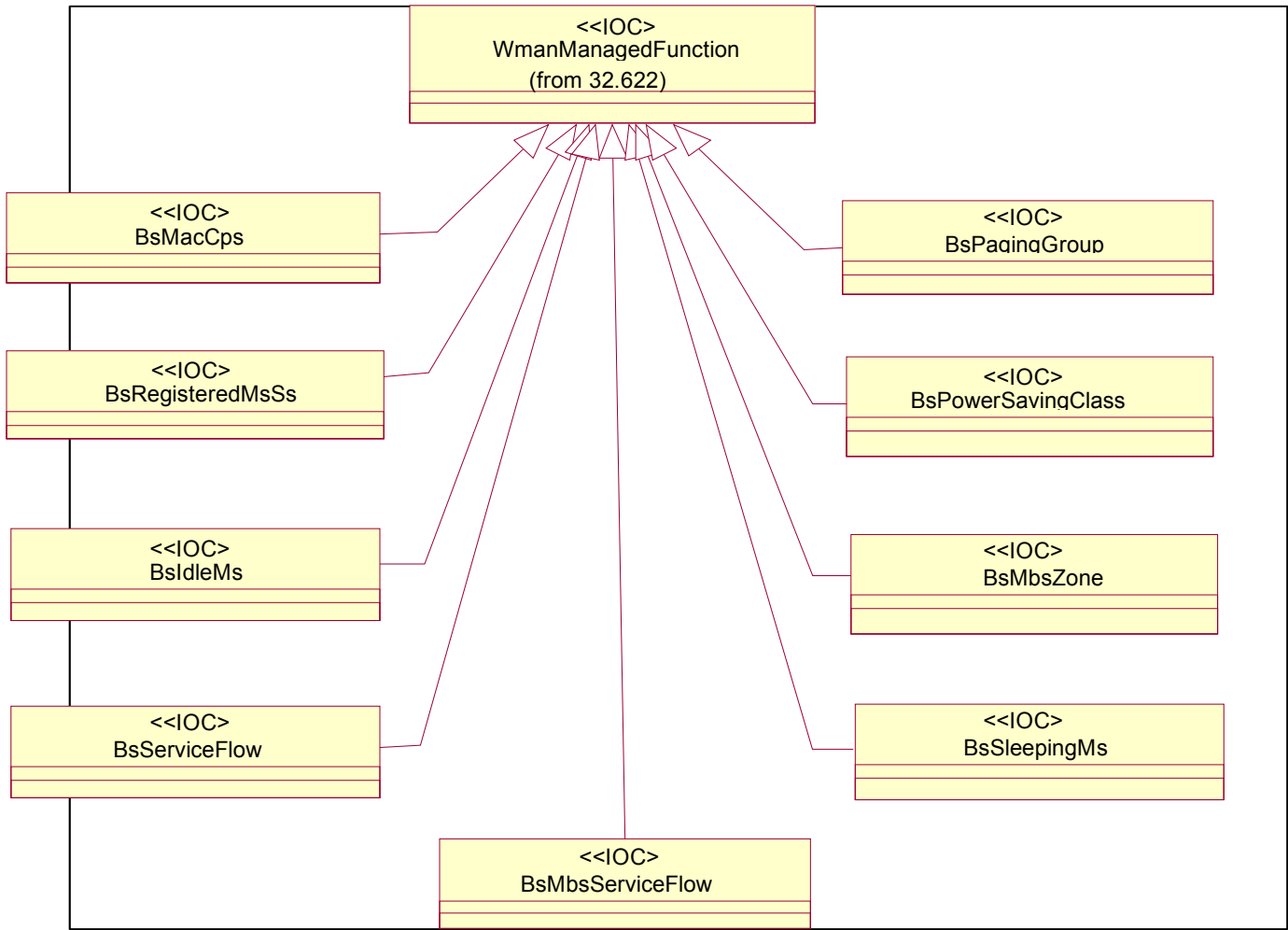


Figure 11 Bs MacCps Inheritance Hierarchy Diagram



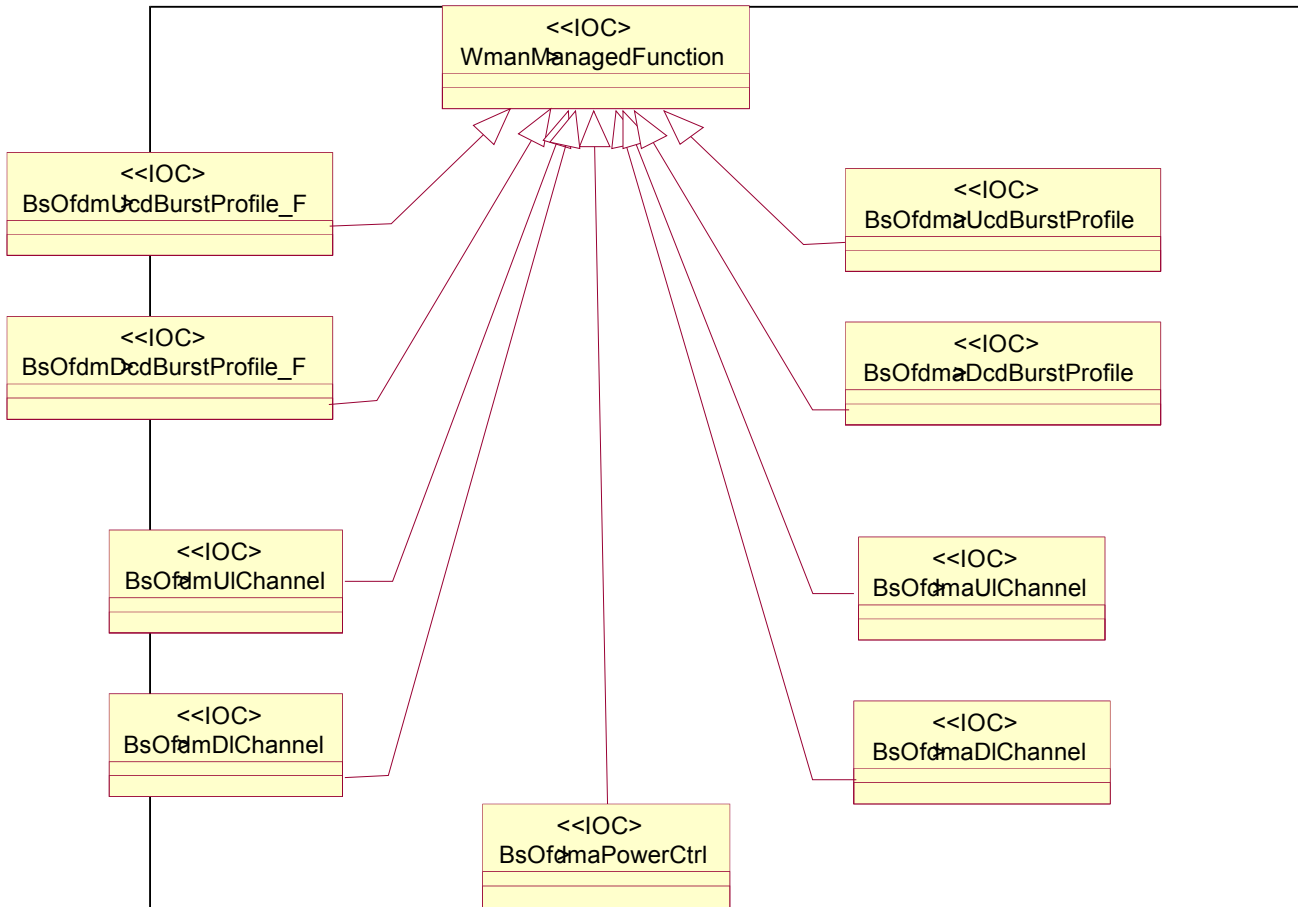


Figure 12 Bs Phy Inheritance Hierarchy Diagram

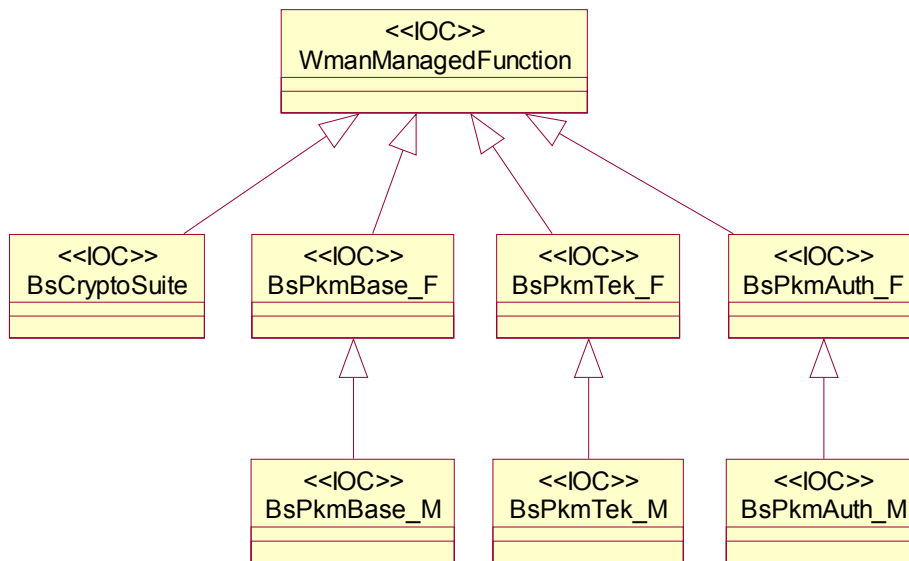


Figure 13 Bs Security Inheritance Hierarchy Diagram

15.1.2.2.2.3 Ss Object Inheritance

TBD.