

# **1. USSCF (and UAALIF)**

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UNI-SSCF (User Network Interface - Service Specific Coordination Function) is a sublayer of SAAL (Signalling ATM Adaptation Layer) that is responsible for mapping the SAAL service suitable for use by signalling layer 3 protocols (like Q.2931). The interface primitives are defined in UAALIF module.

## **1.1 1 Introduction**

The purpose of SSCF sublayers is elaborated in NSSCF module documentation.

SSCF for UNI is defined in ITU-T Recommendation Q.2130 [1]. Its main function is to map SAAL service into primitive interface that can be used by Q.2931. This mapping is very straightforward and it is only needed to hide some complexity of SSCOP (Service Specific Connection Oriented Protocol) that offers the reliable transport of data across a signalling link.

## **1.2 2 Features implemented**

Most features of Q.2130 recommendation are implemented. A missing detail is the support of "Parameter Data" field in UAAL-primitives. This parameter is not used by any applications at the moment so it is left to be implemented.

## **1.3 3 Known bugs and flaws**

No known bugs exist at the moment and SSCF at UNI functionality is so simple that it has been possible to go through the code quite thoroughly. No serious flaws are believed to remain.

## **1.4 4 Future development**

No new features are planned, since all the needed functionality of Q.2130 is already implemented, unless the previously mentioned primitive parameter becomes necessary.

### **1.5 5 Statistics**

UNI-SSCF implementation was based on NNI-SSCF, which made it possible to complete the task quite quickly.

Activity	Research	Design	Coding	Reviews	Total
Duration (h)	10	10	30	20	70

**Table 1** Duration of activities

Lines Of Code (LOC)	Number of files	Number of classes
903	19	19

**Table 2** Metrics

### **1.6 6 References**

- [1] ITU-T Recommendation Q.2130, *B-ISDN Signalling ATM Adaptation Layer - Service Specific Coordination Function for Support of Signalling at the User Network Interface (SSCF at UNI)*, July 1994

