



# Diploma Project

## Telecommunication equipment management using web services

### Final Report Structure

Version V1 (FiReSt)

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## Table of Contents

I.	Introduction .....	3
1	What is MileGate? .....	3
2	General structure of the MileGate .....	3
2.1	Structure logique .....	3
2.2	Structure physique .....	3
3	constraints in MileGate .....	3
3.1	Processor .....	3
3.2	Memory .....	3
4	Current functionality of MileGate .....	3
II.	Description of web services as required by the project .....	4
1	Definition .....	4
1.1	Traditional web service .....	4
1.2	SOA (Service-Oriented Architecture): Web Services .....	4
2	Difference between web services and a traditional web service .....	4
3	Traditional web service .....	4
3.1	Embedded http server .....	4
3.2	How to generate html pages on the fly? .....	4
4	Web Services .....	4
4.1	Concepts & specifications .....	4
4.2	Clients Tools .....	4
4.2.1	Interoperability common problems between web services and SOAP protocol ..	4
4.2.2	Web Services Interoperability Organization (WS▶I) .....	4
4.2.3	Presentation of a few frameworks .....	4
4.2.4	Framework evaluation .....	4
4.2.5	Tests tools .....	4
III.	Realization of the Prototype .....	5
1	SOAP message structure .....	5
1.1	.....	5
1.2	.....	5
1.3	.....	5
2	WSDL File generation .....	5
2.1	.....	5
2.2	.....	5
2.3	.....	5
IV.	Tests .....	5
1	Tests Definition .....	5
2	Validation of tests performed .....	5
V.	Divers .....	6
VI.	Conclusion .....	6
VII.	Annexes .....	6
1	Tasks book .....	6
2	Planning .....	6
3	Documents revision history .....	6
4	References .....	6
4.1	KIKI' tasks .....	6
4.2	SCHNEIDER' tasks .....	6
4.3	Web services survey .....	6



4.4	Realization of the Prototype .....	6
4.5	Acronyms and definitions.....	6

## **I. Introduction**

### **1 What is MileGate?**

### **2 General structure of the MileGate**

#### **2.1 Structure logique**

#### **2.2 Structure physique**

### **3 constraints in MileGate**

#### **3.1 Processor**

#### **3.2 Memory**

### **4 Current functionality of MileGate**



## **II. Description of web services as required by the project**

### **1 Definition**

#### **1.1 *Traditional web service***

#### **1.2 *SOA (Service-Oriented Architecture): Web Services***

### **2 Difference between web services and a traditional web service**

### **3 Traditional web service**

#### **3.1 *Embedded http server***

#### **3.2 *How to generate html pages on the fly?***

### **4 Web Services**

#### **4.1 *Concepts & specifications***

#### **4.2 *Clients Tools***

##### **4.2.1 Interoperability common problems between web services and SOAP protocol**

##### **4.2.2 Web Services Interoperability Organization (WS▶I)**

##### **4.2.3 Presentation of a few frameworks**

##### **4.2.4 Framework evaluation**

##### **4.2.5 Tests tools**



## **III. Realization of the Prototype**

### **1 SOAP message structure**

**1.1 ...**

**1.2 ...**

**1.3 ...**

### **2 WSDL File generation**

**2.1 ...**

**2.2 ...**

**2.3 ...**

## **IV. Tests**

### **1 Tests Definition**

### **2 Validation of tests performed**



## V. Divers

## VI. Conclusion

## VII. Annexes

- 1 Tasks book**
- 2 Planning**
- 3 Documents revision history**

Doc ID	Revision		Short description of the modification	Prepared by	Checked by	Approved
	Version	Date				
FiReSt	V1	15-06-09	Structure of the final report	KIKI		
	V1.1	28-06-09	Fields updating	KIKI		

## 4 References

- 4.1 KIKI' tasks**
- 4.2 SCHNEIDER' tasks**
- 4.3 Web services survey**
- 4.4 Realization of the Prototype**
- 4.5 Acronyms and definitions**