

## Summary of Sepura plc IOP Certification

(IOP Certificates - August 2007)



### Trunked Mode

This table shows where Sepura radios have been certified with TETRA infrastructures

TIP Reference	Capability	INFRASTRUCTURE										
		EADS	Motorola	Selex	Frequentis		Teltronic	R&S Bick	Rohill	Thales	Elm	Artevel
					Comport	eTRAS						
TTR001-01 §6	Registration	P	P	P	P	P	P	P	P	P	P <sub>1</sub>	P <sub>1</sub>
TTR001-01 §7	Individual call	P	P	P	P	P	P	P	P	P	P <sub>1</sub>	P <sub>1</sub>
TTR001-01 §7	- with queuing	P	P	P	P	P	P	P	P	P	P <sub>1</sub>	P <sub>1</sub>
TTR001-01 §8	MS initiated Group Management	P	P	P	P*	P*	P	P	P	P	P <sub>1</sub>	P <sub>1</sub>
TTR001-01 §8.7	SwMI initiated Group Management	P	-	-	-	-	-	P	-	-	P <sub>1</sub>	-
TTR001-01 §9	Group call	P	P	P	P	P	P	P	P	P	P <sub>1</sub>	P <sub>1</sub>
TTR001-01 §9.5	- late entry	P	P	P	P	P	P	P	P	P	P <sub>1</sub>	P <sub>1</sub>
TTR001-01 §7.5	Emergency call - individual call	P	P	P	-	-	P	P	P	P	P <sub>1</sub>	P <sub>1</sub>
TTR001-01 §9.6	- group call	P	P	P	P	P	P	P	P	P	P <sub>1</sub>	P <sub>1</sub>
TTR001-01 §10	Cell re-selection - with call handover	P	P	P	P	P	P	P	P	P	P <sub>1</sub>	-
TTR001-01 §10	- with queuing	P	P	P	P	P	P	P	P	-	-	-
TTR001-01 §12	Telephone call	P	P	P	P	P	P	P	P	P	P <sub>1</sub>	P <sub>1</sub>
TTR001-01 §12.4	DTMF over-dial	P	P	P	P	P	P	P	P	-	P <sub>1</sub>	P <sub>1</sub>
TTR001-01 §13	BS Fallback operation	P	P	-	P	P	-	P <sub>1</sub>	-	P <sub>1</sub>	-	-
TTR001-01 §6.7	Subscriber Class	P	P	-	-	-	-	-	-	-	-	-
TTR001-01 §14.1.10	Common Secondary Control Channels	-	-	-	-	-	P	P <sub>1</sub>	-	P <sub>1</sub>	-	-
TTR001-01 §11	SDS Status	P	P	P	P	P	P	P	P	P	P <sub>1</sub>	P <sub>1</sub>
TTR001-02	SDS Type 4 (with TL)	P	P	P	P	P	P	P	P	P	P <sub>1</sub>	P <sub>1</sub>
TTR001-02 §6.3.3	with Unicode text coding scheme	P	P	-	-	-	-	P	P <sub>1</sub>	-	-	P <sub>1</sub>
TTR001-03	SS-DGNA	P	P	P	-	-	P	P	P	P	P <sub>1</sub>	-
TTR001-04	Authentication	P	P	P	-	-	P	P	P	P	-	-
TTR001-04 §6.3	made mutual by terminal	P	P	-	-	-	P	P <sub>1</sub>	-	-	-	-
TTR001-05	Packet Data	P	P	P	P	P	P	P	-	P <sub>1</sub>	-	-
TTR001-07	FSSN (Fleet Specific Short Number)	P	-	-	-	-	-	-	-	-	-	-
TTR001-09	Ambience Listening	P	P	-	-	-	-	P <sub>1</sub>	-	P <sub>1</sub>	-	-
TTR001-10	End to End Encryption	P	P	P	-	-	P <sub>1</sub>	P <sub>1</sub>	-	P <sub>1</sub>	-	-
TTR001-11 §2.3.6	Air Interface Encryption - class 2	-	P	P	-	-	-	P	P	P	-	-
TTR001-11 §2.3.7	- class 3	P	P	P	-	-	P	-	-	P	-	-
TTR001-12	Service interaction	P	P	-	P	P	-	-	-	-	-	-
TTR001-13	Enable-Disable	P	P	-	-	-	-	-	-	P <sub>1</sub>	-	-

\* Single Group Attachment only

#### Key to Symbols

- P Passed
- P<sub>1</sub> Evidenced by private testing
- Not Tested

#### Declaration of Commonality

Sepura declares that Certification applies to all its current products, in all available frequency bands.

## Direct Mode This table shows where Sepura radios have been certified with TETRA terminals

TIP Reference	Capability	DMO TERMINALS					
		EADS	Motorola	Selex	Clearstone	Tetronic	Thales
TTR002-01 §9	Group call	P	P	P	P	P	P
TTR002-01 §9.2.4	Changeover	P	P <sub>1</sub>	P	P <sub>1</sub>	P	P
TTR002-01 §9.4	Late Entry	P	P	P	P	P	P
TTR002-01 §9.2.5	Pre-emption	P	-	P	-	P	P
TTR002-01 §10	Status	P	-	P	-	-	-

## Gateway Inter-working This table shows where Sepura radios have been certified with other TETRA gateway products

TIP Reference	Capability	DMO GATEWAY	
		Selex	Thales
TTR002-02 §6.3.2	Usage Restriction Type Management	P	P
TTR002-02 §6.4.1/2	Call Group	P	P
TTR002-02 §6.6.1/2	Changeover	P	P
TTR002-02 §6.7	Preemption	P	P
TTR002-02 §6.9.1/2	Status	-	P

## Repeater Inter-working This table shows where Sepura radios have been certified with other TETRA gateway products

TIP Reference	Capability	DMO REPEATER			
		1A		1B	
		Selex	Clearstone	Thales	Thales
TTR002-03 §6.8.1.5	Group call	P	P <sub>1</sub>	P	P <sub>1</sub>
TTR002-03 §6.8.2.4	Changeover	P	P <sub>1</sub>	P	P <sub>1</sub>
TTR002-03 §6.8.2.1.1	Late Entry	P	-	P	-
TTR002-03 §6.8.2.5	Pre-emption	P	-	P	-

## Sepura Gateway This table shows where Sepura Gateway radios have been certified with TETRA terminals and TETRA infrastructures

TIP Reference	Capability	DMO TERMINALS				
		EADS	Motorola	Selex	Tetronic	Thales
TTR002-02 §6.3.2	Usage Restriction Type management	P	P	P	P	-
TTR002-02 §6.4.1/2	Group call	P	P	P	P	P <sub>1</sub>
TTR002-02 §6.6.1/2	Changeover	P	P	P	P	P <sub>1</sub>

## Sepura Repeater This table shows where Sepura radios operating in Repeater mode have been certified with TETRA terminals

TIP Reference	Capability	DMO TERMINALS		
		Motorola	Selex	Thales
TTR002-03 §6.8.1.5	Group call	P	P	P
TTR002-03 §6.8.2.4	Changeover	P	P	P
TTR002-03 §6.8.2.1.1	Late Entry	P	P	P
TTR002-03 §6.8.2.5	Pre-emption	P	P	P