



### APPLICATION NOTES ON BARRETT 2000 SERIES 4 AND 6 DIGIT SELECTIVE CALLING PROTOCOLS

Barrett Selcall option P/N BCO20501 is fully compliant with UN Standard 6-digit Selcall in accordance with UNHCR RFP 046/2004.

Barrett Selcall option P/N BCO20501 is fully backwards compatible with existing 4-digit CCIR 493-4 based (Barrett/Codan) digital Selcall systems, commonly deployed in UN and NGO HF SSB networks

Barrett Selcall option P/N BCO20501 includes Codan NGT 6-digit "open protocol" from firmware version V3.14 onwards, providing Selcall, Telcall and Beacon Call facilities.

Barrett Selcall option P/N BCO20501 provides full backward compatibility with Codan's Proprietary 6-Digit protocol (pre and post version V3.14) to provide all Selcall functions including Telcall, Beacon Call, GPS call, Page call etc.

Selection and use of UN standard 6-digit and CCIR based 4 digit Selcall is automatic. Selection between UN standard 4 and 6 Digit and the Codan 6 Digit format is on a channel configuration basis.

**Notes:-** The FED STD 1045 ALE option P/N BCO20505 is available simultaneously with the Selcall option P/N BCO20501.

It should also be noted that FED STD 1045 ALE has its own selective calling protocol which is **mutually exclusive** and incompatible with CCIR 493-4/UN Standard and Codan protocols, conventionally a network would employ one system **or** the other.

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#### 4 Digit CCIR 493 Based Digital Selective Calling Interoperability

	4 Digit Selcall	4 Digit Telcall	4 Digit Hangu p call	4 Digit Group call	4 Digit Sub-Group call	4 Digit All call	4 Digit Beacon call	4 Digit Status call	4 Digit Page call	4 Digit GPS Send	4 Digit GPS Request	4 Digit TCXR "Stun"	4 Digit Emergency call with GPS	4 Digit Emergency call without GPS
Barrett 900	U	U	U	U	U	U	U	9	9	9	9	9	9	9
Barrett 2000	U	U	U	U	U	U	U	9	9	9	9	9	9	9
Codan	U	U	U	U	Y	Y	U	9	9	9	9	9	9	9
Qmac	U	U	U	U	Y	Y	U	Y	Y	Y	Y	Y	Y	Y

U = Interoperable International Protocol      9 = Optional OEM Protocol Feature      Y = Feature NOT available

#### 6 Digit CCIR 493 Based "UN Standard" (Ref: UNHCR RFP 046/2004) Six Digit Open Digital Selective Calling Interoperability

	6 Digit Selcall	6 Digit Telcall	6 Digit Hangu p call	6 Digit Group call	6 Digit Sub-Group call	6 Digit All call	6 Digit Beacon call	6 Digit Status call	6 Digit Page call	6 Digit GPS Send	6 Digit GPS Request	6 Digit TCXR "Stun"	6 Digit Emergency call with GPS	6 Digit Emergency call without GPS
Barrett 900	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Barrett 2000	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Codan	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Qmac	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

U = Interoperable International Protocol      ? = Feature NOT Yet Implemented (TBC)      Y = Feature NOT available

#### 6 Digit CODAN (OEM) Proprietary Protocol Based Digital Selective Calling Interoperability

	6 Digit Selcall	6 Digit Telcall	6 Digit Hangu p call	6 Digit Group call	6 Digit Sub-Group call	6 Digit All call	6 Digit Beacon call	6 Digit Status call	6 Digit Page call	6 Digit GPS Send	6 Digit GPS Request	6 Digit TCXR "Stun"	6 Digit Emergency call with GPS	6 Digit Emergency call without GPS
Barrett 900	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Barrett 2000	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Codan	U	U	U	U	.	.	U	U	U	U	U	U	U	U
Qmac	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

U = Interoperable Proprietary Protocol      . = Feature NOT Yet Implemented      Y = Feature NOT available