

## APPENDIX E

**E.4.3.3 Block 3, MAC Configuration parameters.**

MAC Configuration parameters defined by Block 3 (TABLE ) are required to enable computation of TP, RHD,Net\_Busy\_Detect\_Time, and the NAD described in Appendix C. Although not mandatory with any message, it could lead to erroneous network control computations resulting in collisions if the information is not provided in a Join Request message.

**TABLE XXXIII. MAC Configuration parameters.**

OCTET	FIELD IDENTIFICATION	VALUE
1	Block Number: Identifies specific data block	3
2	Length: Indicates the length of the <u>MAC</u> Parameters block in octets	22
3-4	Equipment Preamble Time (EPRE): Network Access Control parameter defined in Appendix C.	0 – 30000 msec in 1 msec increments
5-6	Phasing Time: Network Access Control parameter defined in Appendix C.	0 – 10,000 msec in 1 msec increments
7-8	Equipment Lag Time (ELAG): Network Access Control parameter defined in Appendix C.	0 – 65,534 msec in 1 msec increments
9-10	Turnaround Time (TURN): Network Access Control parameter defined in Appendix C.	0 – 65,534 msec in 1 msec increments
11-12	Tolerance Time (TOL): Network Access Control parameter defined in Appendix C.	0 – 2,500 msec in 1 msec increments
13-14	DTE Processing Time (DTEPROC): Network Access Control parameter defined in Appendix C.	0 – 65,534 msec in 1 msec increments
15	DTE Acknowledgment Time (DTEACK): Network Access Control parameter defined in Appendix C.	0 – 254 msec in 1 msec increments
16	DTE turnaround time (DTETURN): Network Access Control parameter defined in Appendix C.	0 – 100 msec in 1 msec increments

## APPENDIX E

**TABLE XXXIII. MAC Configuration parameters - Continued.**

OCTET	FIELD IDENTIFICATION	VALUE
17-18	<u>Net Busy Sensing Time, B:</u> The parameter “B” (data sensing busy detect) used to calculate Net Busy Detect Time (NBDT) defined in Appendix C.	0 – 65534 msec in 1 msec increments
19-20	<u>Net Busy Detect Time (Squelch Detect):</u> The time to detect network busy using the squelch detection function of SINCGARS.	0 - 65534 msec in 1 msec increments
21-22	<u>Net Busy Detect Time (Non-Squelch Detect):</u> The time to detect data network busy using received data rather than squelch detect.	0 - 65.534 msec in 1 msec increments
23	<u>Mode Of Operation:</u> Identifies the Physical Layer protocol capabilities of a specific station or those being used in the network. Multiple bits may be set.	Bit Map: 0 = System Capabilities 1 = Network Operations 2 = Synchronous Mode (SDM) 3 = Synchronous Mode (EDM) 4 = Asynchronous Mode 5 = Packet Mode 6 = Robust Comm. Protocol