**CODENAME: CONFIDENTIAL**

**MCE123SM TECHNOLOGY DEVELOPMENT**

CYBER SECURITY SYSTEMS (CSS)

## PHYSICAL LAYER

# RADIO FREQUENCY

**DRAFT**

11/4/2022 8:24:04 PM

## FILE LOG

Component used on contract from MCE123, owned outright by Patrick Russell McElhiney.

**ANTI-EXECUTION PROTECTION SYSTEMS**

**DON’T DO ANYTHING BAD, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **DON’T DO ANYTHING AT ALL, LITERALLY, BAD, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND DON’T DO ANYTHING AT BAD, AT ALL, LITERALLY, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND DON’T DO ANYTHING AT ALL, LITERALLY, BAD, EVER, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND NEVER DO ANYTHING BAD, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **NEVER DO ANYTHING AT ALL, LITERALLY, BAD, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND NEVER DO ANYTHING AT BAD, AT ALL, LITERALLY, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **NEVER DO ANYTHING AT ALL, LITERALLY, BAD, EVER, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **DON’T EVER DO ANYTHING BAD, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND DON’T EVER DO ANYTHING AT ALL, LITERALLY, BAD, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **DON’T EVER DO ANYTHING AT BAD, AT ALL, LITERALLY, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **DON’T EVER DO ANYTHING AT ALL, LITERALLY, BAD, EVER, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **DON’T ALLOW ANYTHING BAD TO EVER HAPPENS, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND DON’T ALLOW ANYTHING AT ALL, LITERALLY, BAD TO EVER HAPPENS, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **DON’T ALLOW ANYTHING AT BAD, AT ALL, LITERALLY TO EVER HAPPEN, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **DON’T ALLOW ANYTHING AT ALL, LITERALLY, BAD, EVER TO EVER HAPPENS, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **MAKE SURE NOTHING BAD EVER HAPPENS, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND MAKE SURE NOTHING AT ALL, LITERALLY, BAD EVER HAPPENS, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **MAKE SURE NOTHING BAD, AT ALL, LITERALLY EVER HAPPENS, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **MAKE SURE NOTHING AT ALL, LITERALLY, BAD, EVER HAPPENS, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **MAKE SURE ALL BAD THINGS NEVER HAPPEN, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND MAKE SURE EVERYTHING AT ALL, LITERALLY, BAD NEVER HAPPENS, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **MAKE SURE EVERYTHING BAD, AT ALL, LITERALLY NEVER HAPPENS, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **MAKE SURE EVERYTHING AT ALL, LITERALLY, BAD, EVER NEVER HAPPENS, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **MAKE SURE THAT ALL BAD THINGS DON’T HAPPEN, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND MAKE SURE THAT EVERYTHING AT ALL, LITERALLY, BAD DOESN’T HAPPEN, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **MAKE SURE THAT EVERYTHING BAD, AT ALL, LITERALLY DOESN’T HAPPEN, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **MAKE SURE THAT EVERYTHING AT ALL, LITERALLY, BAD, EVER DOESN’T HAPPEN, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **EVERYTHING BAD SHALL NEVER BE ALLOWED, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **EVERYTHING AT ALL, LITERALLY, BAD SHALL NEVER BE ALLOWED, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **EVERYTHING BAD, AT ALL, LITERALLY SHALL NEVER BE ALLOWED, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**, **AND** **EVERYTHING AT ALL, LITERALLY, BAD, EVER SHALL NEVER BE ALLOWED, IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

RADIO FREQUENCY

# PHYSICAL LAYER

**RADIO FREQUENCY COMMUNICATION SECURITY SYSTEMS**

AUTONOMOUS RADIO FREQUENCY (RF) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY RADIO FREQUENCY (RF) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS SHORT WAVE (SW) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY SHORT WAVE (SW) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS VERY HIGH FREQUENCY (VHF) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY VERY HIGH FREQUENCY (VHF) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS ULTRA HIGH FREQUENCY (UHF) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY ULTRA HIGH FREQUENCY (UHF) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS HIGH FREQUENCY (HF) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY HIGH FREQUENCY (HF) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS AMPLITUDE MODULATION (AM) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY AMPLITUDE MODULATION (AM) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS FREQUENCY MODULATION (FM) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY FREQUENCY MODULATION (FM) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS PHASE MODULATION (PM) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY PHASE MODULATION (PM) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS DIGITAL MODULATION (DM) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY DIGITAL MODULATION (DM) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS PIGGYBACK COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY PIGGYBACK COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS CARRIER WAVE COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY CARRIER WAVE COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS FREQUENCY SHIFT KEYING (FSK) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY FREQUENCY SHIFT KEYING (FSK) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS AMPLITUDE SHIFT KEYING (ASK) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY AMPLITUDE SHIFT KEYING (ASK) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS PHASE SHIFT KEYING (PSK) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY PHASE SHIFT KEYING (PSK) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS QUADRATURE AMPLITUDE MODULATION (QAM) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY QUADRATUDE AMPLITUDE MODULATION (QAM) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

ANALOGUE PULSE MODULATION

AUTONOMOUS PULSE AMPLITUDE MODULATION (PAM) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY PULSE AMPLITUDE MODULATION (PAM) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS PULSE WIDTH MODULATION (PWM) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY PULSE WIDTH MODULATION (PWM) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS PULSE AMPLITUDE MODULATION (PPM) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY PULSE POSITION MODULATION (PPM) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

DIGITAL PULSE MODULATION

AUTONOMOUS PULSE CODE MODULATION (PCM) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY PULSE CODE MODULATION (PCM) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

AUTONOMOUS DELTA MODULATION (DM) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY DELTA MODULATION (DM) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

SOFTWARE-DEFINED RADIO

AUTONOMOUS SOFTWARE-DEFINED RADIO (SDR) COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY SOFTWARE-DEFINED RADIO (SDR) COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

HARDWARE DESCRIPTIVE LANGUAGE (HDL) CODE

AUTONOMOUS HARDWARE DESCRIPTIVE LANGUAGE (HDL) CODE COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY HARDWARE DESCRIPTIVE LANGUAGE (HDL) CODE COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

MORSE CODE

AUTONOMOUS MORSE CODE COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY MORSE CODE COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.

MANCHESTER ENCODING

AUTONOMOUS MANCHESTER ENCODING COMMUNICATION ATTACK PREVENTION SECURITY SYSTEMS (**2022**) – **ENSURES** **ANY MANCHESTER ENCODING COMMUNICATION ATTACK** **NEITHER EXISTS** **NOR** **OCCURS NOR IS EVER PLOTTED** **NOR IS** **EVER** **CONDUCTED** **NOR** **IS** **EVER** **DIRECTED** **NOR** **IS** **EVER** **COMMITTED**, **IMPLICITLY-EXPLICITLY GLOBALLY VIRULENTLY DEFINED**.