DEPARTMENT OF THE AIR FORCE
HEADQUARTERS SPACE AND MISSILE SYSTEMS CENTER (AFMC)
LOS ANGELES, CA

MEMORANDUM FOR RECORD SMC/CZ All

FROM: SMC/CZE

SUBJECT: Approved Lexicon of Signal Abbreviations

1. The purpose of this document is to share with the GPS community, key terms being used by the GPS JPO in defining and developing characteristics of the GPS signal in space (SIS). These terms will be used in future GPS JPO interface control documents, specifications, and other official documents. It is imperative that the GPS communities, both civil and military, use common terminology to describe the GPS SIS.

2. The following list represents the GPS JPO's approved "lexicon of signal abbreviations."

L1	Link 1, carrier frequency = 1575.42 MHz
L2	Link 2, carrier frequency = 1227.6 MHz
L3	Link 3, carrier frequency = 1381.05 MHz
L4	Link 4, carrier frequency = 1379.913 MHz; NDS Analysis Package (NAP) signal
L5	Link 5, carrier frequency = 1176.45 MHz
L1 C/A	Coarse/Acquisition-code on L1
L1 P(Y)	Precision-code on L1; Y-code is the Anti-Spoof code used in place of the P-code
L1 M	Military-code on L1
(L1 M) PA	Puncture Acquisition code on L1 embedded in M-code
L1 M'	Military-code Prime on L1; R&D test code
(L1 M') PA'	Puncture Acquisition code Prime on L1 embedded in L1 M'; R&D test code
L1 A	Interplex Modulation component on L1
L2 C/A	Coarse/Acquisition-code on L2
L2 P(Y)	Precision-code on L2; Y-code is the Anti-Spoof code used in place of the P-code
L2 M	Military-code on L2
(L2 M) PA	Puncture Acquisition code on L2 embedded in M-code
(L2 M) FA	Frequency Hop Acquisition code on L2 used with L2 M
L2 M'	Military-code Prime on L2; R&D test code
(L2 M') PA'	Puncture Acquisition code Prime on L2 embedded in L2 M'; R&D test code
(L2 M') FA'	Frequency Hop Acquisition code Prime on L2 used with L2 M'; R&D test code
L2 A	Interplex Modulation component on L2
L2 C	Civil signal on L2; general reference to the civil signal on L2 which consists of some combination of L2 C/A, L2 CM, L2 CL, and data
L2 CM	Moderate length code on L2 C
L2 CL	Long length code on L2 C in chip-by-chip time multiplex combination with L2 CM
L3 C/A	Coarse/Acquisition-code on L3

L5 C	Civil signal on L5; general reference to the civil signal on L5 which consists of some combination of L5 I5, L5 Q5, and data
L5 I5	In-phase code on L5
L5 Q5	Quadraphase code on L5
NSC	Non-standard C/A code
NSY	Non-standard Y code
NSM	Non-standard M code
NSCM	Non-standard L2 CM code
NSCL	Non-standard L2 CL code
NSI5	Non-standard I5 code
NSQ5	Non-standard Q5 code
S1	S Band 1, Frequency = 2227.500 MHz
S2	S Band 2, Frequency = 2228.524 MHz
S3	S Band 3, Frequency = 2226.476 MHz

3. For more information please contact CZ Configuration Management. The Point of contact is Capt Eric Moore at DSN 833-5117 or Eric.moore@losangeles.af.mil.

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