

## IRIG

In 1956 the Tele-Communication Working Group (TCWG) of the American Inter Range Instrumentation Group (IRIG) was mandated to standardize the different time code formats.

The name of an IRIG code format consists of a single letter plus 3 subsequent digits. Each letter or digit reflects an attribute of the corresponding IRIG code. The following table contains standard code formats defined in IRIG standard 200-98:

<b>IRIG A</b>	<b>IRIG B</b>	<b>IRIG D</b>	<b>IRIG E</b>	<b>IRIG G</b>	<b>IRIG H</b>
A000	B000	D001	E001	G001	H001
A003	B003	D002	E002	G002	H002
A130	B120	D111	E111	G141	H111
A132	B122	D112	E112	G142	H112
A133	B123	D121	E121		H121
		D122	E122		H122

**The code format names are composed as described below:**

First letter:	A	1000 PPS
<b>Rate Designation</b>	B	100 PPS
	D	1 PPM
	E	10 PPS
	G	10000 PPS
	H	1 PPS
1st Digit:	0	DC Level Shift (DCLS), width coded, no carrier
<b>Form Designation</b>	1	Sine wave carrier, amplitude modulated
2nd Digit:	0	No carrier(DCLS)
<b>Carrier Resolution</b>	1	100 Hz / 10 millisecond resolution
	2	1 kHz / 1 millisecond resolution
	3	10 kHz / 100 microsecond resolution
	4	100 kHz / 10 microsecond resolution
3rd Digit:	0	BCD, CF, SBS
<b>Coded Expressions</b>	1	BCD, CF
	2	BCD
	3	BCD, SBS