

The Test

The Technician Class license test consist of 35 questions. These questions are derived from a question pool that has been developed by a National Volunteer Examiners Coordinators Committee.

There is a total of 393 questions in the Pool with no graphics or diagrams.

SUBELEMENT T1 – FCC Rules, station license responsibilities

4 exam questions – 4 Groups

T1A – Basis and purpose of the Amateur Radio Service, penalties for unlicensed operation, other penalties, examinations

1 exam question

T1B – ITU regions, international regulations, US call sign structure, special event calls, vanity call signs

1 exam question

**T1C - Authorized frequencies
(Technician), reciprocal licensing,
operation near band edges, spectrum
sharing**

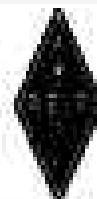
1 exam question

**T1D - The station license, correct name
and address on file, license term,
renewals, grace period**

1 exam question

Certificate of Successful Completion of Examination

VEC: American Radio Relay League/VEC
CERTIFICATE of SUCCESSFUL COMPLETION of EXAMINATION



NOTE TO VE TEAM:
 COMPLETELY CROSS OUT ALL
 BOXES BELOW THAT DO NOT
 APPLY TO THIS CANDIDATE.

Test Site (city/state): _____ Test Date: _____

EARN ELEMENTS EARNED

- passed 1A: 5 wpm code
- passed 1B: 13 wpm code
- passed 1C: 20 wpm code
- physician's cert. and release: 1C
- passed written element 2:
- passed written element 3A:
- passed written element 3B:
- passed written element 4A:
- passed written element 4B:

CREDIT for ELEMENTS PASSED

You have passed the telegraphy and/or written element(s) indicated at right. You will be given credit for the appropriate examination element(s) if you wish to upgrade your license class again while a newly-upgraded license application is pending with the FCC.

NEW LICENSE CLASS EARNED

- NOVICE
- TECHNICIAN
- TECHNICIAN W/EF
- GENERAL
- ADVANCED
- EXTRA

LICENSE UPGRADE NOTICE

If you already hold a valid FCC-issued Amateur Radio license, this Certificate validates temporary operation with the operating privileges of your new operator class (see Section 97.3(b) of the FCC's Rules) until you receive the license for your new operator class, or for a period of 365 days from the test date stated above on this certificate, whichever comes first. Note: If you hold a current FCC-issued (codeless) Technician class operator license, and if this certificate indicates Element 1A, 1B or 1C credit (or if this certificate indicates that a Novice license is held), this certificate indefinitely permits you HF operating privileges as specified in Section 97.301(e) of the FCC Rules. This document must be kept indefinitely with your Technician class operator license in order to use these privileges.

THIS CERTIFICATE IS NOT A LICENSE, PERMIT, OR ANY OTHER KIND OF OPERATING AUTHORITY IN AND OF ITSELF. THE ELEMENT CREDITS AND/OR OPERATING PRIVILEGES THAT MAY BE INDICATED IN THE LICENSE UPGRADE NOTICE ARE VALID FOR ONE YEAR FROM THE TEST DATE. THE HOLDER NAMED HEREON MUST ALREADY POSSESS A VALID AMATEUR RADIO LICENSE ISSUED BY THE FCC TO OPERATE ON THE AIR.

 Candidate's signature

 Candidate's name call sign (if none, write none)

 address

 city state ZIP

VE #1 _____
 signature call sign

VE #2 _____
 signature call sign

VE #3 _____
 signature call sign



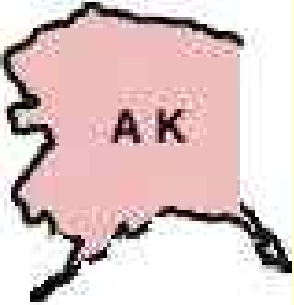
by JF9EXF

ITU REGIONS

Callsign Groups

All US Callsigns start with A, K, N or W

Group A	1x2, 2x1 W1AW, KU7M
Group B	2x2 KK7LK
Group C	1x3 N7WLO
Group D	2x3 KB7PJM



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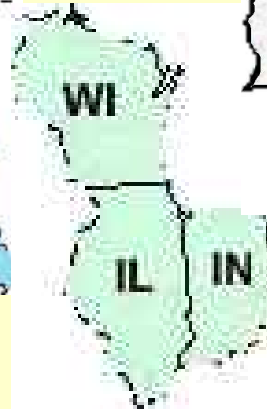
KL7



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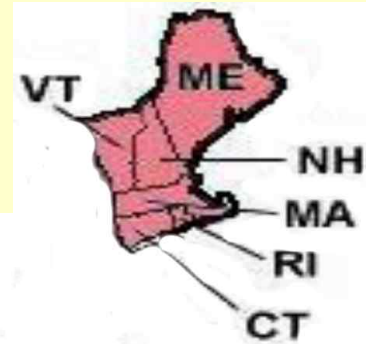
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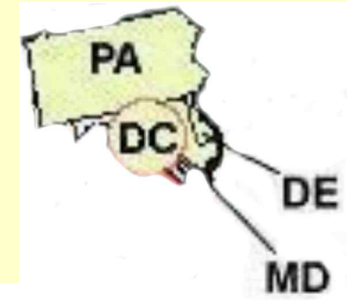
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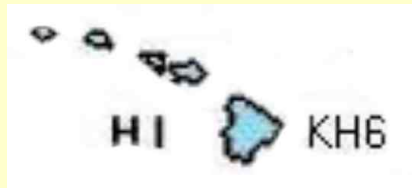
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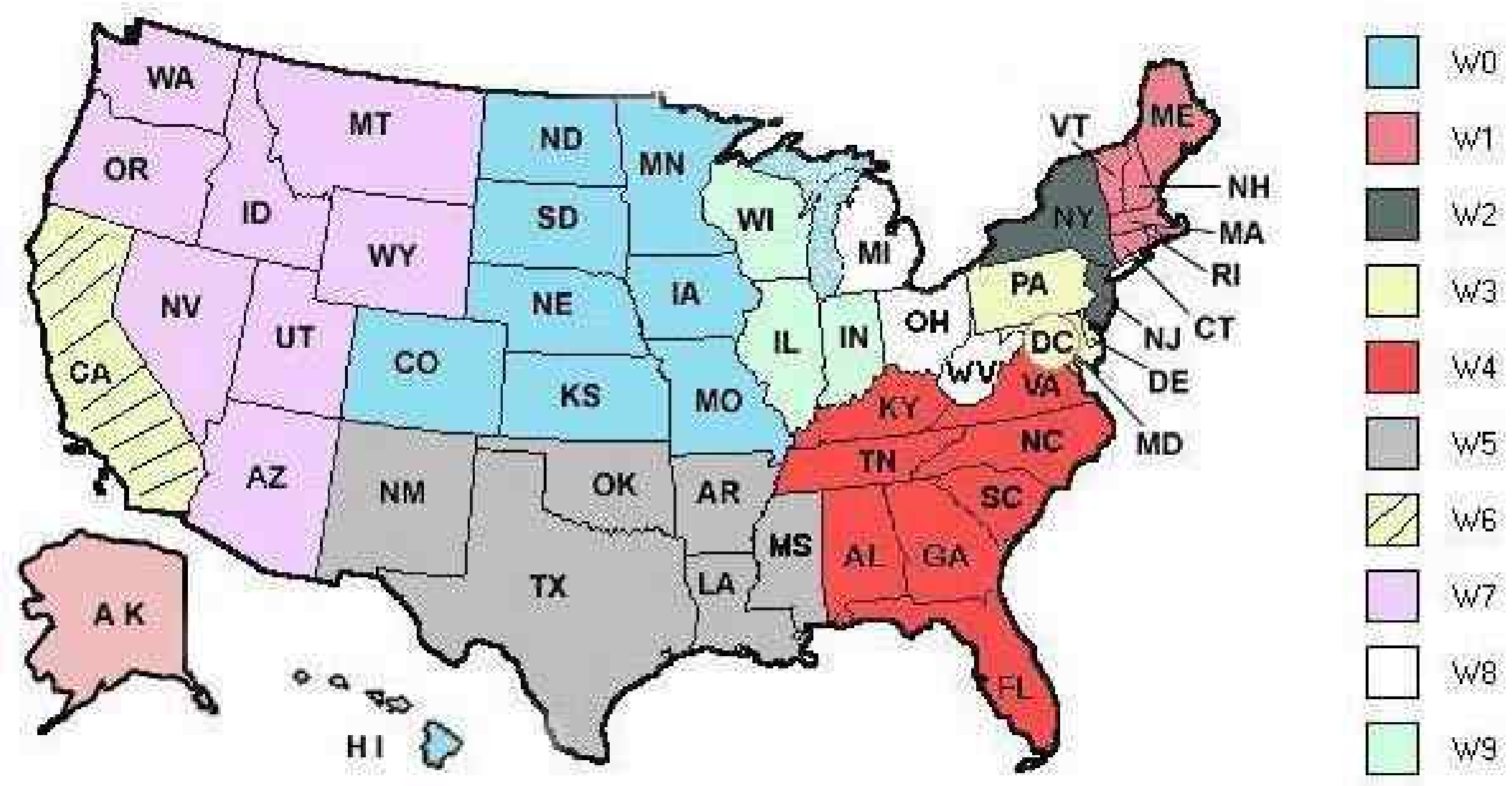
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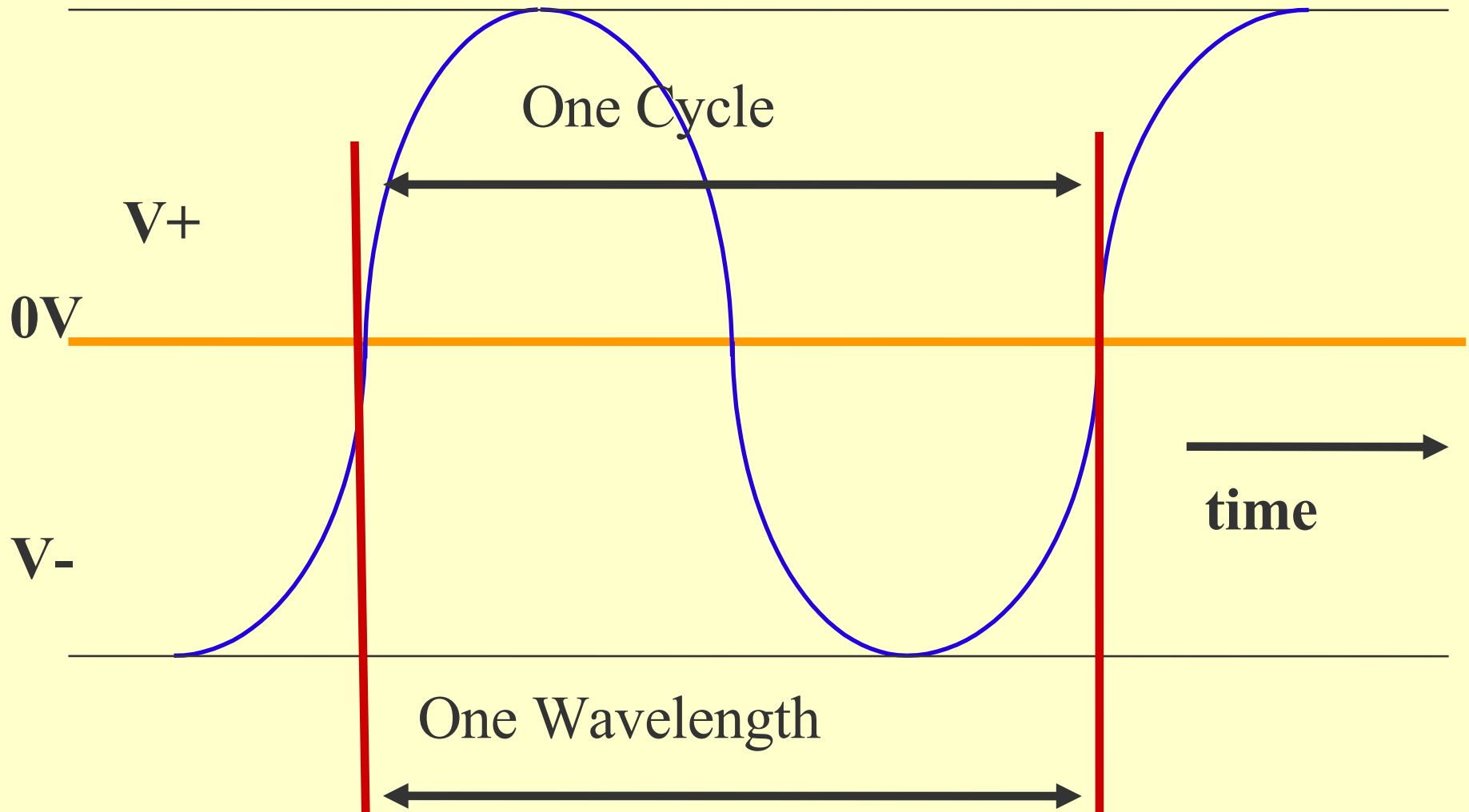
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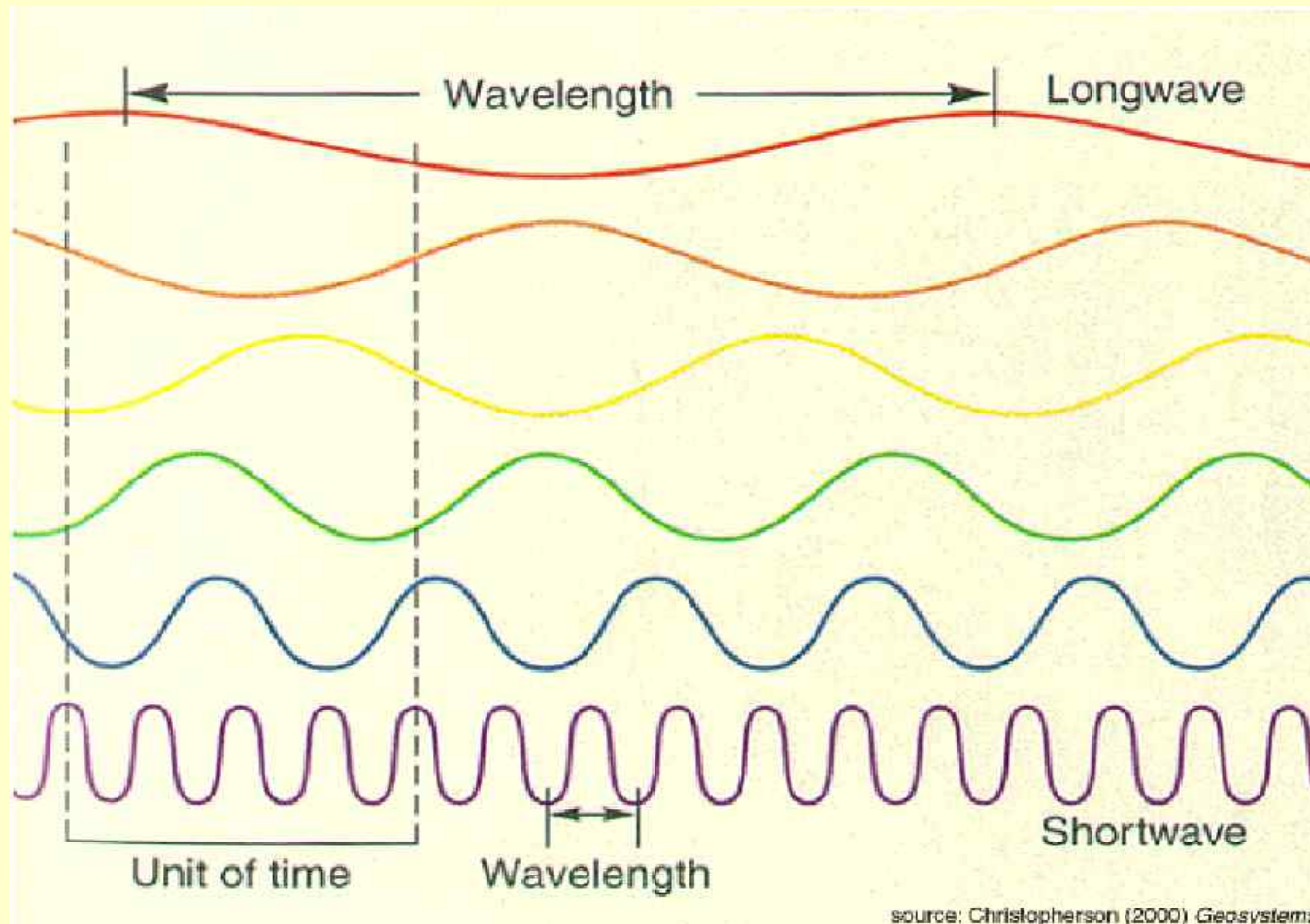
U.S. Call Zones

The Relationship of Frequency and Wavelength

The distance a radio wave travels in one cycle is called wavelength.



Frequency & Wavelength



The distance an AC signal travels in one complete cycle is its wavelength.

As the frequency increases the wavelength gets shorter.

Wavelength Formula

To convert from frequency to wavelength:

$$\text{Wavelength (m)} = \frac{300}{\text{freq (MHz)}}$$

Wavelength and Frequency are Inversely Proportional. As one goes up, the other must go down.

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Article from QST,
June 2006, Vol. 90,
Number 6

**The FCC is very
serious about
enforcement of
Part 97 Rules.**

Amateur Enforcement

◆ **FCC affirms \$21,000 in fines levied on Maine radio amateur:** The FCC has affirmed a total of \$21,000 in fines it proposed last year to levy on Glenn A. Baxter, K1MAN, of Belgrade Lakes, Maine. The FCC's *Forfeiture Order (NoF)*, released March 29, comes nearly 10 months after a *Notice of Apparent Liability for Forfeiture (NAL)* in the case. The FCC has alleged that Baxter violated several sections of the Part 97 Amateur Service rules.

"The noted violations of the rules involve interference with the ongoing communications of other Amateur Radio stations, failure to exercise station control, transmission of communications in which Baxter had a pecuniary interest, and transmission of communications that constituted impermissible broadcasting," the FCC said. The *NoF* reiterates specific allegations outlined in last June's *NAL*.

The FCC also has concluded that Baxter "apparently willfully and repeatedly" failed to file required information pursuant to an Enforcement Bureau directive. In two warning notices in 2004, FCC Special