Unknown

From:	Gee, JJ [jj.gee@nagrastar.com]
Sent:	Thursday, May 30, 2002 5:34 PM
To:	Conus Joël; Bongard Dominique; Groux Cédric; GUGGENHEIM Alan; Kudelski, Henri; Nicolas, Christophe; Sasselli Marco; TREVISAN Virginio
Subject:	RE: [EVU]

```
*** PGP Signature Status: good
*** Signer: JJ Gee <jj.gee@echostar.com>
*** Signed: 2002.05.30 5:34:19 PM
*** Verified: 2002.05.31 9:45:05 AM
*** BEGIN PGP DECRYPTED/VERIFIED MESSAGE ***
```

From a CI this morning -

Nice move on the Bell hit today. Too bad they lost 70 000 subbers since the laws changed, from what I heard.

(The 70,000 sub's comment is a bunch of BS - since the law change, their subscriber base has been increasing.)

```
JJ Gee
NagraStar
jj.gee@nagrastar.com
office - 303-706-5704
cellular - 303-669-8894
```

-----Original Message-----
From: Conus Joël [mailto:joel.conus@nagra.com]
Sent: Thursday, May 30, 2002 9:30 AM
To: Bongard Dominique; Groux Cédric; GUGGENHEIM Alan; Gee, JJ; Kudelski, Henri; Nicolas, Christophe; Sasselli Marco; TREVISAN Virginio
Subject: [EVU]

```
*** PGP Signature Status: good
*** Signer: Joël Conus <conus@Nagra.com> (Invalid)
*** Signed: 5/30/2002 9:30:31 AM
*** Verified: 5/30/2002 9:32:34 AM
*** BEGIN PGP DECRYPTED/VERIFIED MESSAGE ***
```

Summary:
- The new ECM has hit many pirates. Here is a list of the devices that went down: AVR (Lotec), ATMEGA (NAwapoMO.0e), blocker codes on the original smartcard, WinVu 2.0.0.7. Only JavaEmu and Cemu seem to be still working. Fixes have been developed for the following
devices: AVR's (Lotec Quincy), new blocker code, WinVu 2.0.0.8. The new Lotec and the new WinVu are reportedly working but there is no fix available for the ATMEGA (?...
- A member of the SatTech forum is reporting that his legit sub;
but he did not get the nag so this doesn't seem to be linked to
- Belgarion has published a disassembly of the new EMM causing t

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CASE NO.
SA CV 03-950 DOC (JTLx)
ECHOSTAR SATELLITE CORP., et al.,

vs.

NDS GROUP PLC. et al

DEFENDANT'S EXHIBIT 1581

DATE _____ IDEN.

DATE _____ EVID.

BY _____
Deputy Clerk

1581

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devices: AVR's (Lotec Quincy), new blocker code, WinVu 2.0.0.8. The new Lotec and the new WinVu are reportedly working but there is no fix available for the ATMEGA. [Ref. 1]
- A member of the SatTech forum is reporting that his legit subscription has been hit but he did not get the nag so this doesn't seem to be linked to the ECM. [Ref. 2]
- Belgarion has published a disassembly of the new EMM causing the nag. [Ref. 3]

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**********
* Status *
**********

Original cards
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DNASP003        : Hole closed. Some cards have blocker software.
DNASP010        : Not compromised.

Current software
----------------

                Hardware           Card Auto
Software name   Needed             less? Roll? Working? Comment
-------------   ------------------ ----- ----- -------- -------
NAwapcMG.0e     ATMEGA based device  Y    Y      N      Down with
ECM
Lotec Quincy    AVR                  N    N      Y      Reported
working
Lotec308b,c,x   AVR                  N    N      N      Down with
ECM
Misc. Blockers  Original Smartcard   N    Y      Y      Reported
working
Winvu 2.0.0.6   PC w/ ser. card + AVR Y   Y      Y      Simulator
Winvu 2.0.0.7   PC w/ ser. card + AVR Y   Y      N      Down with
ECM
Cemu 0.72c1     PC w/ ser. card + AVR Y   Y      Y      Under
development
JavaEmu 0.7.0   PC w/ ser. card + AVR Y   ?      Y      Under
development
-------------------------------------------------------------------------

Emulators, Simulators
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An emulator is a program executing the ROM code dumped from a smartcard as close as
possible as the processor in the smartcard would. An emulator can even apply patches on
his "EEPROM image" like an original smartcard.

A simulator on the other hand interprets the commands received from the IRD and returns
hardcoded replies. A simulator usually needs to be upgraded when the original smartcards
are patched.

-------------------------------------------------------------------------
-
Disclaimer: the contents of this mail are made of gossips from the
            Internet. Therefore they cannot be considered as a
            reliable source of information.


*** END PGP DECRYPTED/VERIFIED MESSAGE ***



*** END PGP DECRYPTED/VERIFIED MESSAGE ***
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1581-002