

Secret - Restricted Distribution

Operation "Johnny Walker"

Preparatory meeting, Jerusalem, Nov. 24, 1997

To: Reuven Hasak
John Norris
Chris Tarnovsky
Perry Smith
Yossi Tsuria
Jordan Levy
From: Avigail Gutman

Re: Johnny Walker - Preparatory meeting summary

Present: John Norris, Chris Tarnovsky, Jordan Levy, Perry Smith
Roni Segoly, Avigail Gutman

BACKGROUND

Having visited with the Canadian group and gained their confidence, Chris has been hired to produce 4 secure programmer devices which will enable P2 cards to receive all services and PPVs.

The meeting was called to discuss the product and timetable of its production and introduction to the Canadians.

THE PRODUCT:

Due to post-ECM anxiety of the Canadians and Jerusalem's time constraints, Chris will initially produce a the s/w without a box. The s/w will be an enabler that will contain some other features such as the possibility for remote update, control of rating etc. The s/w can be "killed" and its content has been approved by Perry and Jordan. It will remain unaffected by the recent ECM, for as long as we deem necessary.

SECURING THE PRODUCT:

- The product will be made up of an *.exe file and a master smart card. The two are interdependent.
- For operational reasons, the master card will cease to produce modified cards after the first five (or a number to be determined before completion of production). The master will then clean itself so that it cannot be re-used. (3echo and 99)
- Chris will change the password in the *.exe file from "BG" to something that will not identify him.
- In addition, the *.exe file will be pkLite compressed, which will make the reverse engineering of it close to impossible.

TIMETABLE:

Date	Action
Nov. 25	Jerusalem will give Chris documentation on the ASIC
Nov. 30	Chris will make the following available to Jordan:
(Israel am)	s/w for master card: *.exe file, *.src file, hex of master card

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

vs.

NDS GROUP PLC, et al.

DEFENDANT'S EXHIBIT **478**

DATE _____ IDEN.

DATE _____ EVID.

BY _____
Deputy Clerk

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TIMETABLE:

Date	Action	Responsible
Nov. 25	Jerusalem will give Chris documentation on the ASIC	Avigail
Nov. 30	Chris will make the following available to Jordan:	Chris
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after running it, *src of master card after running it.
s/w for enabler: *exe file, *src file, hex of master card before
and after enabling

Nov. 30	Determine how/whom to involve from the project team	Yossi Reuven Roni Perry Jordan
Dec 1 (Israel pm)	Jordan will produce the master and the enabled cards in Jerusalem and test them.	Jordan, Perry, Roni, Avigail
Dec 1 (Israel pm)	Meeting will be held to determine whether the product can be given a green-light from a technological point of view.	Roni Reuven, Yossi, Perry, John
Dec 1	Determine how/whom to involve in DTV. It is noted that Larry Rissler cannot be reached before Monday Dec. 1.	Reuven, John, Roni
Dec 2	Operations Security will develop a cover story for Chris to be implemented if DTV objects to the Chris will stall the Canadians until we can get the approval of DTV. He will "blame" the delay on his trip, Thanksgiving holidays and explain that he has no cards to use in development, the BCM changed the data-stream.	
Dec 2-3	Should we receive a green light from DTV, Chris will tell the Canadians when to expect the shipment.	Reuven, John, Roni

Note: Roni advised that we make sure that anyone aware of Chris's standing/past be
made aware again of the sensitivity and secrecy of this information.

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