

# **DNSSEC** Key Ceremony Script Monday, June 20, 2011

#### **Sign In to Facility**

Step	Activity	Initial	Time (SST)
1	FO has all participants sign in before entering the Key Management Facility.	M	13: 28
2	FO collects cell phones, laptops, etc.  Management Facility, and the SA may retain a laptop.	Mi	13:29

#### **Emergency Evacuation Procedures**

Step	Activity	Initial	Time (SST)
3	FO reviews emergency evacuation procedures and other relevant information with participants.	And I	13:30

#### **Enter the Key Management Facility**

Step	Activity	Initial	Time (SST)
4	As the participants enter the Key Management Facility, the EW verifies the identity of each by examining a government-issued photo identification, notes the type and number of each piece of identification, and the participant's entry time on the Participant Signature Sheet.	Rus	13: 37
	Note that participants do not sign the sheet until the end of the ceremony.		
	As the participants are identified, the EW distributes their role identification placards.		

#### **Ground Rules**

Step	Activity	Initial	Time (SST)
5	CA reviews ground rules and break procedures with participants.	N	13:42

#### **Verify Time and Date**

Step	Activity	Initial	Time (UTC)
6	EW reads aloud and records the date (month/day/year) and time (UTC) using an NTP-synchronized clock visible to all. Participants verify that the time is correct.	M	05.44.
	Date:		
	Time: 0 5 · 4 · 4 · .		
	This and all subsequent entries into this script and any associated logs should follow this common source of time.		

#### **Assemble Equipment**

Step	Activity	Initial	Time (UTC)
7	CA collects HSM, corresponding HSMFD, boot-DVD, laptop, power supplies, cables, etc. Equipment is placed on table visible to all participants.	n	05:48
8	CA reads out HSM TEB and serial number while EW matches them with those from previous key ceremony. TEB# A3112528 Serial# K1011055	M	05.49
9	CA reads out HSMFD TEB numbers while EW matches it with one from previous key ceremony. HSMFD TEB# A21094973 or A21094974	Mary	05.51

#### **Collect OP Cards**

Step	Activity	Initial	Time (SST)
10	CA collects OP cards from COs, comparing TEB numbers with those recorded in the prior ceremony, reproduced for convenience in Appendix E of this document. Note any discrepancies. CA places the OP cards in plain view on the table.	N	06:06

co3 outside TEB no A21094984 OB3 TER

Packet Clearing House P210 95007

CO6 A21094982

AZ1094998.

C07 A21094981 A 21094995 Page 2 of 17

#### **Set Up Laptop**

Step	Activity	Initial	Time (UTC)
11	CA places the boot-DVD and laptop on the table; connects laptop power and boots laptop from DVD.	N	06=08
12	CA logs in as root.	X	06-0918
13	CA opens a terminal window.	N	06:38
14	CA verifies the time zone, date, and time on the laptop and synchronizes it if necessary.	M	06:29
	Display the current time and timezone: date		
	<pre>If the timezone is not set to UTC:    cd /etc/    rm localtime    ln -s /usr/share/zoneinfo/UTC localtime</pre>		
	Set time to match the wall clock: date mmddHHMMYYYY  Verify:		
15	CA calculates sha256 checksum of the boot-DVD. CA may proceed with additional steps while this process completes. When the checksum is complete, CA reads it aloud, four digits at a time.		
16	EW records the sixty-four digit boot-DVD checksum		
	TDE4 31FY CBO DFEF		
	9089 AB56 13A7 8126		
,	708A 3ACI A784 38A7	,	
My	8969 2A4F 52A1 F87C	)	
	Other participants may compare this with the boot-DVD checksum calculated during Key Ceremony 1, reproduced for convenience in Appendix F of this document.	X	66:15
17	CA connects USB hub to laptop.	1	06.22

Step	Activity	Initial	Time (UTC)
18	CA removes HSMFD from TEB and plugs into a free USB slot on the laptop (NOT on expander); waits for operating system to recognize the FD. CA lets participants view contents of HSMFD, then closes FD window.	Jan J	06.35

#### **Start Logging Terminal Session**

Step	Activity	Initial	Time (UTC)
19	CA changes the default directory to the HSMFD:  cd /media/HSMFD	pri	06.25
20	CA starts capture of terminal output:	h.	
	script script-20110620.log	M	06:27

#### **Start Logging HSM Output**

Step	Activity	Initial	Time (UTC)
21	CA connects a serial to USB null modem cable to laptop USB expander. Please note that the first USB cable connected will be "ttyUSB0", the second will be "ttyUSB1" and so on.	My	00:78.
22	CA opens a second terminal screen and ensures its default directory is also /media/HSMFD and executes ttyaudit /dev/ttyUSB0	m	06.29
	to start logging HSM serial port output. Note: DO NOT unplug USB serial port adaptor from laptop as this causes logging to stop.		

### Connect HSM (KSK-HSM-01-SIN)

Step	Activity	Initial	Time (UTC)
23	CA inspects the HSM TEB for tamper evidence and removes it from TEB; discards TEB and plugs ttyUSB0 null modem serial adaptor and cable to the back.	M	06.30
24	CA connects power to HSM. Status information should appear on the serial logging screen and after self test the HSM display should say "Set Online" indicating the HSM is in the operational state.	My	0632

#### Activate HSM (KSK-HSM-01-SIN)

Step	Activity	Initial	Time (UTC)
25	CA sets HSM online ("Set Online" menu item) using three (3) OP cards. The "Ready" LED should go on.	Park.	06.34
	Use OP cards 1, 3, and 4.	//	
26	CA connects Ethernet cable between laptop and HSM and tests network connectivity between laptop and HSM by entering		06.35
	ping 192.168.0.2	Vm.	
	on the laptop terminal window and looking for responses. Ctrl-C to exit program.		

#### **New Key Generation and Key Signing**

Step	Activity	Initial	Time (UTC)
27	CA generates new keys by copying scripts pregenerated by CA specific for this ceremony from external FD by plugging in FD and copying scripts:	M	06:51
	cp -p /media/SCRIPTS/* /opt/dccom		
	and executing: bulkgen_3		, s
28	CA creates a snapshot of the updated DB files by executing:  tar zcf 20110620.KSK-HSM-01- SIN.db.tar.gz *.db	M	06.51.
29	CA creates encrypted backups of the ZSKs by executing zskbackup  (The resultant .hsm file will be imported into the other on-line signer HSM)	M	06-52
30	CA similarly does this for the KSKs by executing  kskbackup  (The resultant .hsm file will be imported into the other off-line KSK HSM.)	M	06.53

Step	Activity	Initial	Time (UTC)
31	CA generates KSK signed DNSKEY RRsets (keybundles) by executing the script for a predetermined set of domains as follows:	M.	06.58
	cd /tmp		
	mkdir kb		
	cd kb		
	cp /opt/dnssec/aep.hmsconfig .		
	cp /media/HSMFD/nextzsk .		
	keybundle-generate		
	tar zcf /media/HSMFD/ 20110620.kb.tar.gz .		
	cd /media/HSMFD		
	This will create time dependant archive files of the form date.domain.keybundle.tar.gz that must be copied to the on-line signer in a timely manner after completion of the key ceremony.		

# **Return HSM to a Tamper Evident Bag**

Step	Activity	Initial	Time (UTC)
32	CA places the HSM offline by using "Set Offline" menu item and three (3) OP cards. The "Ready" LED should go off.  Use cards 6, 7 and 1.	May	06.59.
33	CA presses RESTART button and waits for self test to complete. CA then disconnects HSM from power and laptop (serial and Ethernet), placing HSM into a new TEB and seals.		
34	CA reads out TEB # and HSM serial #, shows item to participants while EW records TEB # and HSM serial # here.  TEB #	May	07.06.

# **Stop Recording Serial Port Activity**

Step	Activity	Initial	Time (UTC)
35	CA terminates HSM serial output capture by disconnecting USB serial adaptors from laptop. CA then exits out of serial output terminal window.	M	07.06

#### **Backup HSM Flash Drive Contents**

Step	Activity	Initial	Time (UTC)
36	CA displays contents of HSMFD by executing	M	67-08
37	CA plugs a blank FD labeled HSMFD into the laptop waits for it to be recognized by the O/S as HSMFD_ and copies the contents of the HSMFD to the blank drive for backup by executing  cp -Rp * /media/HSMFD_	M	67.09
38	CA displays contents of HSMFD_ by executing ls -lt /media/HSMFD_	M	07:09
39	CA unmounts new FD using umount /media/HSMFD_	M	0.09
40	CA removes HSMFD_ and places on table	M	07.09
41	CA repeats the first five steps of this activity a second time, to create a second backup.	Mus	تا. ۱۱
42	CA repeats the first five steps of this activity a third time, to create a third backup.	pu	07:12
43	CA repeats the first five steps of this activity a fourth time, to create a fourth backup.	M	07.13

#### **Stop Logging Terminal Output**

Step	Activity	Initial	Time (UTC)
44	CA stops logging terminal output by entering "exit" in remaining terminal window	M	07.13

#### **Return HSM FD to a Tamper Evident Bag**

Step	Activity	Initial	Time (UTC)
45	CA unmounts HSMFD by executing cd /tmp then umount /media/HSMFD	M	07:14.
46	CA removes HSMFD and places it in new TEB and seals; reads out TEB # and shows item to participants.	M	07.15
47	TEB# A1920 4865	Mm	51.18

# **Return Boot-DVD to a Tamper Evident Bag**

Step	Activity	Initial	Time (UTC)
48	After all print jobs are complete, CA executes		
	shutdown -hP now removes DVD and turns off laptop.	My	07.20
49	CA places boot-DVD in new TEB and seals; reads out TEB # and shows item to participants.	M	07.20
50	EW records TEB # here.		
	TEB# A 19204866	M	07.21.

# **Return Laptop to a Tamper Evident Bag**

Step	Activity	Initial	Time (UTC)
51	CA disconnects power, and any other connections from laptop and puts laptop in new TEB and seals; reads out TEB #; shows item to participants.	M	07.26
52	EW records TEB # here.		
	TEB# A3112532	My	07:27

#### **Return Power Supplies, USB Hub, and Cables**

Step	Activity	Initial	Time (UTC)
53	CA places HSM and laptop power supplies, USB hub, USB serial adapter, power and networking cables in a bag. This need not be a TEB as it is only used for convenient packaging.	M	01.29.
54	CA hands KSK-HSM-01-SIN, HSMFD, laptop, and boot- DVD to the SCs to transfer to the IPS in the permanent Singapore KSK facility. CA and SC record each item on a log with TEB #, printed name, date, time, signature, and a witness initialing each entry. CA keeps any remaining materials for later analysis.	Mari	07:34

#### **Re-Package OP Cards**

Step	Activity	Initial	Time (UTC)
55	CA places each OP card with instruction slip in its own new TEB and records the number in the smart card sign out sheet below.	M	07.45

#### **Re-Distribution of Cards**

Step	Activity	Initial	Time (UTC)
	CA calls each CO to return their smartcards. As each CO receives and inspects their cards, they fill out the sign out sheet below and EW initials their entry.	1	0152

#### **Smart Card Sign Out Sheet**

CO#	Card Type	TEB#	Printed Name	Signature	Date	Time	EW
CO1	OP 1 of 7	A 19204876	Steve FELDMAN -	A	6/20/11	67.51	1
CO3	OP 3 of 7	A 19204874	Kim DAVIES	WK_	6/20/11	0751	M
CO4	OP 4 of 7	A14204872	Jonny MARTIN	J. Ul.	6/20/11	01:49	M
CO6	OP 6 of 7	A 16204870	LIM Choon Sai	TAR.	6/20/11	07.50	N
CO7	OP 7 of 7	A192248 68	Gaurab UPADHAYA		6/20/11	07.49	上

ENCLOSING BAGS:

CO1: A 19204875

CO 3: A 19204873

CO 4: A19204871

CO 6: A19204869

607: A19204867

# Sign-Out on Participant Signature Sheet

Step	Activity	Initial	Time (UTC)
57	All participants leave the Key Management Facility, sign the Participant Signature Sheet, and note their exit time.	M	82.50
58	CA reviews EW's script and signs it.  CA Signature:	N	v 29.

# **Sign Out of Facility**

Step	Activity	Initial	Time (UTC)
	FO returns phones, laptops, and other items to participants and logs their exit times. Participants are now free to depart.		

#### **Stop Audio-Visual Recording**

Step	Activity	Initial	Time (UTC)
60	SA stops audio and video recording.		

#### **Copy and Store the Script**

Step	Activity	Initial	Time (UTC)
61	EW makes at least 5 copies of his or her script: one for off-site audit bundle, one for on-site audit bundle, one for EW, and copies for other participants, as requested. Audit bundles each contain 1) output of signer system - HSMFD; 2) copy of EW's key ceremony script; 3) audiovisual recording; 4) logs from the Facility Physical Access Control; 5) SA attestation (A.2 below); and 6) the EW attestation (A.1 below) - all in a TEB labeled "Key Ceremony 3". One bundle will be stored by the SC along with HSM above and other equipment. The second bundle will be kept securely at PCH's office.		

# \* End of Key Ceremony Script \*

#### Appendix A:

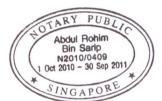
# **Key Ceremony Script Attestation**

#### (by EW)

I hereby attest that the Key Ceremony was conducted in accordance with this script and that any exceptions which may have occurred were accurately and properly documented on the attached Script Exception Forms.

Signature:

Date: 20. 6. 2011.



#### Attach notarization to this page.

#### Appendix B:

#### **Access Control System Attestation**

#### (by SA)

I have reviewed the physical access control system and not found any discrepancies or anything else out of the ordinary.

Attached is the audited physical access log.

Printed Name: BILL WOODERCE

Date:

#### Appendix C:

#### **Abbreviations Used in This Document**

#### **Roles**

CA Ceremony Administrator

EW External Witness

SA System Administrator

SC Security Controller

FO Facility Operator

W Witness

#### **Other Abbreviations**

TEB Tamper Evident Bag (MMF Industries, item #2362010N20 small or #2362011N20 large)

HSM Hardware Security Module

FD Flash Drive

AAK Adapter Authorization Key

SMK Storage Master Key

OP Operator

SO Security Operator

# Appendix D:

# **Letter and Number Pronunciations**

Letter	and Humb	er Pronunciatio
Character	Call Sign	Pronunciation
Α	Alfa	AL-FAH
В	Bravo	BRAH-VOH
С	Charlie	CHAR-LEE
D	Delta	DELL-TAH
E	Echo	ECK-OH
F	Foxtrot	FOKS-TROT
G	Golf	GOLF
Н	Hotel	HOH-TEL
I	India	IN-DEE-AH
J	Juliet	JEW-LEE-ETT
K	Kilo	KEY-LOH
L	Lima	LEE-MAH
M	Mike	MIKE
N	November	NO-VEM-BER
0	Oscar	OSS-CAH
P	Papa	PAH-PAH
Q	Quebec	KEH-BECK
R	Romeo	ROW-ME-OH
S	Sierra	SEE-AIR-RAH
T	Tango	TANG-GO
U	Uniform	YOU-NEE-FORM
V	Victor	VIK-TAH
W	Whiskey	WISS-KEY
X	Xray	ECKS-RAY
Υ	Yankee	YANG-KEY
Z	Zulu	Z00-L00
1	One	WUN
2	Two	TOO
3	Three	TREE
4	Four	FOW-ER
5	Five	FIFE
6	Six	SIX
7	Seven	SEV-EN
8	Eight	AIT
9	Nine	NIN-ER
0	Zero	ZEE-RO

# Appendix E:

# **Smart Card Sign Out Sheet from Key Ceremony 2**

Smart Card Sign Out Sheet  COF Card Type TEB# Printed Name Signature Date Time EW  CO1 OP 1 of 7 A 19204935 Steve FELDMAN 5/30/11 O047 1/  CO1 SMK 1 of 7 Steve FELDMAN 5/30/11 O047 1/  CO2 OP 2 of 7 A 19204933 Michael SINATRA WWW DSW 5/30/11 CO49 1/  CO2 SO 2 of 7 A 19204931 Michael SINATRA WWW DSW 5/30/11 CO49 1/  CO2 SMK 2 of 7 Michael SINATRA WWW DSW 5/30/11 CO49 1/  CO2 SMK 2 of 7 Michael SINATRA S/30/11 CO49 1/  CO4 OP 4 of 7 A 19204932 Jonny MARTIN 5/30/11 OSS 1/  CO4 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO4 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO4 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO4 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO4 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 Jonny MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/30/11 OSS 1/  CO5 SMK 4 of 7 JONNY MARTIN 5/3
COF Card Type TEB# Printed Name Signature Date Time EW  CO1 OP 1 of 7 A 192 D 4935 Steve FELDMAN 5/30/11 OD 47 1/1  CO1 SO 1 of 7 A 192 D 4934 Steve FELDMAN 5/30/11 OD 47 1/1  CO2 SMK 1 of 7 Steve FELDMAN 5/30/11
CO1 OP 1 of 7 A 192 D 4935 Steve FELDMAN 5/30/11 OO 47 7 CO1 SO 1 of 7 A 192 D 4934 Steve FELDMAN 5/30/11 OO 47 7 CO2 OP 2 of 7 A 192 D 4433 Michael SINATEA 1 O A 5 (7) FROM 1
CO1 SO 1 of 7 A 19 2 D 4934 Steve FELDMAN 5/30/11 0047 1 Steve FELDMAN 5/30/11 0047 1 CO2 OP 2 of 7 0 193 2 D 4933 Michael SINATEA 1 0 0 4 5 (2) 5 500 4 7
CO1 SMK 1 of 7 Steve FELDMAN 5/30/11
CO2 OP 2 of 7 1/9 20 1/423 Michael SINATRA 1 0 1 5 5000 /
04 CO2 OP 2 of 7 A 1 9 20 4933 Michael SINATRA ALCUMD 5/30/11 CO49 (
02 SO 2 of 7 A 19204931 Michael SINATRA WOLDS JE 5/30/11 COCK 9
CO2 SMK 2 of 7 Michael SINATRA 5/30/11
420 CO4 OP 4 of 7 A19204932 Jonny MARTIN 11 5/30/11 050 1
CO4 SO 4 of 7 A 1920 4930 Jonny MARTIN 5/30/11 0050 9
CO4 SMK 4 of 7 Jonny MARTIN 5/30/11
CO5 OP 5 of 7 A 1920 4929 Steffn SOMOGYI 5/30/11 051 7 CO5 SO 5 of 7 A 1920 4928 Steffn SOMOGYI 5/30/11 051 7
CO5 SO 5 of 7 A 1920 4928 Steff SOMOGYI SS 5/30/11 0051 7
CO5 SMK 5 of 7 Ste <b>ff</b> SOMOGYI 5/30/11
CO7 OP 7 of 7 Jonny MARTIN 5/30/11
CO7 SO 7 of 7 Jonny MARTIN 5/30/11
CO7 SMK 7 of 7 Jonny MARTIN 5/30/11

#### Appendix F:

# **Boot-DVD Checksum from Key Ceremony 1**

Step	Activity	Initial	Time
8	CA places boot-DVD and laptop on key ceremony table; connects laptop power and boots laptop from DVD.	1/	4:4807
9	CA logs in as root.	11	4:49 PM
10	CA opens a terminal window.	71	4:49 PM
11	CA verifies the timezone, date, and time on the laptop and synchronizes it if necessary.  Display the current time and timezone: date  If the timezone is not set to UTC: cd /etc/ rm localtime ln -s /usr/share/zoneinfo/UTC localtime  Set time to match the wall clock: date mmddHHMMYYYY  Verify:	41	4:50 PM
12	CA calculates sha256 checksum of the boot-DVD and	40	
12	reads it aloud, four digits at a time.	1	5:01PM
13 M	### EW records the sixty-four digit boot-DVD checksum    1084	11	S:04pm
14	CA connects USB hub to laptop.	1	4:55 PM
15	CA plugs blank flash disk (FD) labeled HSMFD into a free USB slot on the laptop (NOT on expander); waits for O/S to recognize the FD. CA lets participants view contents of HSMFD then closes FD window.	11	4:55 PM

7de4 31f9 c33d dfef 9089 ab56 13a3 8126 708a 3ac1 a784 38a7 b9c9 2a4f 52a1 f87c



2

# Singapore Interim Key Signing Facility InterContinental Bugis Vault Facility Sign-In Sheet

557 357

Name	Signature	Date	Entry Time PDT	Exit Time PDT
Vicky SHRESTHA		6/20/11	13:27	16:04
Rick LAMB	mobil	6/20/11	13:26	6:04
Abdul Rohim Bin SARIP	m	6/20/11	13:26	16:04
Steve FELDMAN	Story	6/20/11	13:24	16:04
Kim DAVIES	Wat .	6/20/11	13:25	16:04
Jonny MARTIN	Jule.	6/20/11	13:26	16:09
LIM Choon Sai	-A	6/20/11	13:52	16:04
Gaurab UPADHAYA	2	6/20/11	13:24	16:04
Bill WOODCOCK	Man ly n	6/20/11	17:25	16:04
LEE Han Chuan	yes	6/20/11	13:26	16:04
James KILABA	37	6/20/11	13:25	16:04
Kabindra SHRESTHA	gindra .	6/20/11	13:24	16:04
Robert MARTIN-LEGÈNE	Rems-i	6/20/11	13:25	16:04

# **Participant Signature Sheet**

8	8	8	SC2 FO	SC1 SA	C07	C06	CO4	CO3	CO1	EW	CA2	CA1	Role
Robert MARTIN-LEGÈNE	Kabindra SHRESTHA	James KILABA	LEE Han Chuan	Bill WOODCOCK	Gaurab UPADHAYA	LIM Choon Sai	Jonny MARTIN	Kim DAVIES	Steve FELDMAN	Abdul Rohim Bin SARIP	Rick LAMB	Vicky SHRESTHA	Name
PK	NP	77	SG	SN	NP	SG	ZN	AU	SU	SG	SU	NP	Citizen ship
RE-MINISTER STATES	phronties	THE THE PROPERTY OF THE PROPER	Sale	Mill Hay !			1 Well	and -	And	Jest .	Hahil		Signature
Pusspor 1	Passpart	Pass port	Driver y	Passport	Pass mint	Card	Puss port	Pewspar +	Passport	Passport	Pass por +	Passport	Form of Identification
200138770	2 L839 LA	48240412	576178415	4644 66862 6/20/11	G5020133W	28288005	LA 7 20703	E7603871	214647366	14509E3	449485503	3519144	Identification Number
6/20/11	6/20/11	6/20/11	6/20/11	6/20/11	6/20/11	6/20/11	6/20/11	6/20/11	6/20/11	6/20/11	6/20/11	6/20/11	Date
	46.50	05:35	05.33	05.36	05:34	25:50	6120111 05:35 07:54	05:31	05:32 67:55	05.36	05:31	05:37	Entry Time UTC
95:36 07:56	7:54	07:55	07:59	07:53	7:55	50% 50	45.50	0755	67:55	07.57	87:53	BS: FB	Exit Time UTC

Notes: Michael SINATRA and Stephan SOMOGYI will not be present for this ceremony, so the necessary five of seven sets of keys present are: 1, 3, 4, 6 and 7.

# PCH DNSSEC Key Ceremony Script Exception Form

Step	Activity	Initial	Time
1	EW Describes exception and action here:  CO4 hands CO7 smort beyo bundle, A21094981.	tw'	05.47
2 .	Don't how the HSM FD gonerated during the last corremony, we are using a nu HSM = 10 streated for a back up.	<u>K</u>	٥5.٤١.
3.	Performing DUD cleans on external laptop	1	06:09
4.	•	M	00.22
5.	tar-ext 20110530. KSK- HSM-01-51N.db.tar.gz (Step20)	Au .	06.26.
6.	James Kilaba let the mon. James Kilaba is back	M	06.47
8	sty 34 - returning HSm to se cure container.	M	07.04
٩.	Hey 51 Remove Hord Prive		
2	EW notes date and time of key ceremony exception and signs here:	1	08.00.
	Signature:		

<sup>\*</sup> End of DNSSEC Key Ceremony Script Exception \*