1. DNS Key Status Types and Filenames

Status	Key		Filename		used for	dnssec-zkt
	Type	Flags	public	private	signing?	label
active	ZSK	256	.key	.private	y	`act ive`
	KSK	257	.key	.private	y	`act ive`
published	ZSK	256	.key	.published	n	`pub lished`
	KSK	257	.key	.private	n	`sta ndby`
depreciated (retired)	ZSK	256	.key	.depreciated	n	`dep reciated`
revoked	KSK	385	.key	.private	y	`rev oked`
removed	KSK	257	k*.key	k*.private	n	–
sep	KSK	257	.key	-	n	`sep`

2. Key rollover

2.1. Zone signing key rollover (pre-publish RFC4641)

action keys		create newkey	change sig key	remove old key
zsk1	active	active	depreciated	
zsk2		published	active	active
RRSIG	zsk1	zsk1	zsk2	zsk2

2.2. Key signing key rollover (double signature RFC4641)

action keys		create newkey	change delegation	remove old key
ksk_1	active	active	active	
ksk_2		active	active	active
DNSKEY RRSIG	ksk1	ksk1,ksk2	ksk1,ksk2	ksk2
DS at parent	DS_1	DS_1	DS_2	DS_2

2.3. Key signing key rollover (rfc5011)

action keys		newkey & rollover	change delegation & remove old key
ksk_1	active	revoke†	
ksk_2	standby	active	active
ksk_3		standby‡	standby
DNSKEY RRSIG	ksk1	ksk1,ksk2	ksk2
Parent DS	DS_1 DS_2	DS_1 DS_2	DS_2 DS_3

† Have to remain until the remove hold-down time is expired, which is 30days at a minimum.

‡ Will be the standby key after the hold-down time is expired
Add holdtime = max(30days, TTL of DNSKEY)