## ZSK States (Pre-Publication-Method)

MP Date has passed, where key should be published to zone (publish)
MA Date has passed, where named started using key for signing the zone (active)
MI Date has passed, where named stopped using key for signing (inactive)
MD Date has passed, where named stopped including key in zone (to be deleted)
MR Revoke Date has passed (used to sign zone by bind with 'revoke' flag set)
PD Propagation delay (time needed to reflect update in all caches) = prepublish time)

Start times in blue conditions in black actions in red Begin signing a zone at first time ZSK1 no longer ZSK1 ZSK2 ZSK1 created in mgmt dir used for signing inactive active (MP1 = now, MA1 = now) NSEC3PARAM inserted in zone (if NSEC3 planned) delete time 1 reached (MD1) ZSK2 now ZSK1 deleted in mgmt dir used for (zsk2 now called zsk1) signing prepublish time 2 reached (MI1 - PD) ZSK2 created in mgmt dir (MP2 = now, MA2 = ZSK1 now ZSK2 ZSK1 ZSK1 used for created created active MI1) NSEC3PARAM updated signing with new salt

KSK States (Double RRSIG-Method ??) (MD - MI) KSK > sig lifetime ( 1 week )

