NANC 193: NPA Split Behavior Matrix - 05/1506/1998

The table describes the behavior for the NPAC SMS as agreed upon for NPA Splits. Service Providers and SOA, LSMS and NPAC Vendors need to evaluate this and insure this is their understanding. We need to insure that this behavior is covered in the requirements and if it is not create requirements. We may want to consider adding this table to the FRS in addition to the existing requirements to provide an overview of the behavior.

Split Scenarios	Prior to PDP Start	During PDP	After PDP Completion
New NPA-NXX SV Create	If a TN create is sent to the NPAC SMS with the new NPA for an NPA-NXX that is involved in a split prior to PDP, the NPAC SMS will: • Accept and process the new NPA-NXX port request, storing the SV with the new NPA-NXX, as long as the due date is greater than or equal to the effective date of the NPA-NXX.	If a TN create is sent to the NPAC SMS with the new NPA for an NPA-NXX that is involved in a split during PDP, the NPAC SMS will: • Accept and process the new NPA-NXX port request, storing the SV with the new NPA-NXX.	If a TN create is sent to the NPAC SMS with the new NPA for an NPA-NXX that is involved in a split after PDP completes, the NPAC SMS will: • Accept and process the request, storing the SV with the new NPA-NXX.
• **Old NPA-NXX SV Create**	If a TN create is sent to the NPAC SMS with the old NPA for an NPA-NXX that is involved in a split prior to PDP, the NPAC SMS will: • Accept and process the port request, storing the SV with the old NPA-NXX (normal processing).	If a TN create is sent to the NPAC SMS with the old NPA for an NPA-NXX that is involved in a split during PDP, the NPAC SMS will: • Accept and process the port request, storing the SV with the new NPA-NXX and sending the new NPA-NXX in SOA notification messages associated with the SV.	If a TN create is sent to the NPAC SMS with the old NPA for an NPA-NXX that is involved in a split after PDP completion, the NPAC SMS will: • Accept and process the old NPA-NXX port, storing the SV with the old NPA-NXX, if the old NPA-NXX is still a valid NPA-NXX that is open for porting.

Split Scenarios	Prior to PDP Start	During PDP	After PDP Completion
• **New NPA-NXX SV Activate, Modify, Modify-Pending, Conflict, Cancel, Disconnect**	If a TN request is sent to the NPAC SMS with the new NPA for an NPA-NXX that is involved in a split prior to PDP, the NPAC SMS will: Reject the activate, modify, modify-pending, conflict, cancel or disconnect request because the SV would not yet be associated with the new NPA-NXX if it was not created with the new NPA-NXX. If a modify, modify pending, conflict or cancel were sent for a pending TN in the new NPA-NXX it would be accepted and processed. An activate or a disconnect request for a TN in the new NPA-NXX would not be valid since that NPA-NXX would not yet be effective. The effective date of the new NPA-NXX must be the start of permissive dialing per the NPAC SMS requirements.	If a TN request is sent to the NPAC SMS with the new NPA for an NPA-NXX that is involved in a split during PDP, the NPAC SMS will: Accept and process the request for the activate, modify, modify-pending, conflict, cancel or disconnect for the TN.	If a TN request is sent to the NPAC SMS with the new NPA for an NPA-NXX that is involved in a split after PDP completes, the NPAC SMS will: Accept and process the request for activate , modify, modify-pending, conflict, cancel or disconnect for the TN.
Old NPA-NXX SV Activate, Modify, Modify-Pending, Conflict, Cancel, Disconnect	If a TN request is sent to the NPAC SMS with the old NPA for an NPA-NXX that is involved in a split prior to PDP, the NPAC SMS will: Accept and process the request for the activate, modify, modify-pending, conflict, cancel or disconnect for the TN.	If a TN request is sent to the NPAC SMS with the old NPA for an NPA-NXX that is involved in a split during PDP, the NPAC SMS will: Accept and process the request for the activate, modify, modify-pending, conflict, cancel or disconnect for the new TN.	If a TN request is sent to the NPAC SMS with the old NPA for an NPA-NXX that is involved in a split after PDP completion, the NPAC SMS will: The activate, modify, modify-pending, conflict, cancel or disconnect would be reject unless there was a new pending/active port created in the old NPA-NXX after PDP completion.

Split Scenarios	Prior to PDP Start	During PDP	After PDP Completion
New NPA-NXX Audit	If an audit request is sent to the NPAC SMS with the new NPA for an NPA-NXX that is involved in a split prior to PDP, the NPAC SMS will: Accept and process the audit request for the New NPA-NXX despite the fact that the NPA-NXX is not yet effective. Note: The NPAC SMS does not and the LSMSs should not have subscription versions for the new NPA-NXX.	If an audit request is sent to the NPAC SMS with the new NPA for an NPA-NXX that is involved in a split during PDP, the NPAC SMS will: Accept and process the audit request for the New NPA-NXX.	If an audit request is sent to the NPAC SMS with the new NPA for an NPA-NXX that is involved in a split after PDP completes, the NPAC SMS will: Accept and process the audit request for the New NPA-NXX.
Old NPA-NXX Audit	If an audit request is sent to the NPAC SMS with the old NPA for an NPA-NXX that is involved in a split prior to PDP, the NPAC SMS will: Accept and process the audit request for the Old NPA-NXX.	If an audit request is sent to the NPAC SMS with the old NPA for an NPA-NXX that is involved in a split during PDP, the NPAC SMS will: Accept and process the audit request for the Old NPA-NXX.	If an audit request is sent to the NPAC SMS with the old NPA for an NPA-NXX that is involved in a split after PDP completion, the NPAC SMS will: Accept and process the audit request for the Old NPA-NXX if the Old NPA-NXX is still a valid NPA-NXX in the NPAC SMS. Otherwise the audit request would be rejected.
New NPA-NXX LSMS – Creates, Deletes, Modifies	The NPAC SMS will not send any creates, deletes, or modifies to the LSMS for the New NPA-NXX prior to PDP due to the fact that the New NPA-NXX effective date would not be greater than the start of PDP (per the requirements).	If a TN request is sent from the SOA for the New NPA-NXX that is involved in a split during PDP, the NPAC SMS will send the New NPA-NXX to the LSMS.	If a TN request is sent from the SOA for the New NPA-NXX that is involved in a split after PDP, the NPAC SMS will send the new NPA-NXX to the LSMS.
Old NPA – NXX LSMS – Creates, Deletes, Modifies	If a TN request is sent from the SOA for the Old NPA-NXX that is involved in a split prior to PDP, the NPAC SMS will send the old NPA-NXX.	If a TN request is sent ~~to the~~ from the SOA for the old NPA-NXX that is involved in a split during PDP, the NPAC SMS will always send the new NPA-NXX.	If a TN request is sent from the SOA for an Old NPA-NXX that is involved in a split after PDP, the NPAC SMS will send the Old NPA-NXX. ~~P~~provided that the Old NPA-NXX is still a valid NPA-NXX in the NPAC SMS. If the Old NPA-NXX is not valid the request will be rejected.
New NPA-NXX LSMS Queries	If a TN query request is sent by the LSMS for the New NPA-NXX that is involved in a split prior to PDP, the NPAC SMS would always return no subscription versions. No	If a TN request is sent from the LSMS for the New NPA-NXX that is involved in a split during PDP, the NPAC SMS will always return the subscription versions in the new NPA-	If a TN query request is sent from the LSMS for the New NPA-NXX that is involved in a split after PDP, the NPAC SMS will always return the subscription versions in the new

Split Scenarios	Prior to PDP Start	During PDP	After PDP Completion
	subscription versions would be returned due to the fact that there would be no active subscription versions ~~in~~ because the new NPA-NXX would not have reached it's effective date.	NXX.	NPA-NXX.
Old NPA – NXX LSMS Queries	If a TN query request is sent from the LSMS for an Old NPA-NXX that is involved in a split prior to PDP, the NPAC SMS will always return the subscription versions in the Old NPA-NXX.	If a TN query request is sent from the LSMS for an Old NPA-NXX that is involved in a split during PDP, the NPAC SMS will always return the subscription versions the new NPA-NXX except in cases were the query spans multiple NPAs. In cases were an query spans multiple NPAs the Old NPA-NXX's specified are not coverted to the new NPA-NXX.	If a TN query request is sent from the LSMS for the Old NPA-NXX that is involved in a split after PDP, the NPAC SMS will always return the subscription versions in the Old NPA-NXX if the Old NPA-NXX is still a valid NPA-NXX in the NPAC SMS. If the Old NPA-NXX is not valid then the request will be rejected.