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| **#** | **Event** | Segmentation refresh required? | Sequence refresh is triggered | REMARKS | REMARKS | REMARKS | **Additional details** |
| 1 | Voyage created | **Y** | **Y** | 1- If voyage B is created after the last voyage A, then A and B should be chained and segmentation should be refreshed for both A and B | 2- if voyage C added in between existing voyages A and B, then the previous voyage, the newly created voyage and the existing next voyage have to be chained as A-C-B, segmentation should be refreshed for A-C-B  First, A and B are unchained. Second, A-C-B are chained | 3- if a voyage B is created before the first voyage A, then the new voyage B should be chained with the first (existing voyage) A as B-A and segmentation should be refreshed for both B and A | FSD reference:  ALL-248 (BR01) |
| 2 | Voyage restored (when a voyage is deleted or blank sailed then restored with the same cvn) | **Y** |  | 1- If voyage B is restored after the last voyage A, then this voyage should be chained as A-B, and segmentation should be refreshed for both A and B | 2- if voyage C is restored in between existing voyages A and B, then, the previous voyage, the restored voyage and the existing next voyage have to be chained as A-C-B, segmentation should be refreshed for A-C-B  First, A and B are unchained. Second, A-C-B are chained. | 3- if a voyage B is restored before the first voyage A, then the restored voyage B should be chained with the first (existing voyage) A as B-A and segmentation should be refreshed for both B and A | FSD reference:  ALL-38 (BR02);  The flag of blank sailed/deleted should be removed for the restored voyage. The flags of omitted/deleted should be  Removed from the ports  TBC by the Business/Prabhu on the existence of deletion flag and its logic for CVN  Voyage can be restored for a different voyage rotation ID  There should be only flag for CVN, not for ports |
| 3 | Voyage is blank sailed | **Y** |  | 1-if a voyage is blank sailed, we need to remove the chaining of the blank voyage with any other voyages (previous and next as available) and connect the previous voyage (if available) with the next voyage (if available) of the rotation (of the same vessel) and segmentation should be refreshed for the previous and next voyages , and for the blank sailed voyage  In other words, blank sailed voyage is a voyage that is not chained to any other voyages. Segmentation refresh means the example of the end of Schedule (last port of the Schedule CVN is main boundary (Long Leg).  Examples:   1. A-B-C, A is blank sailed: unchaining for A from B, segmentation refresh for A and B 2. A-B-C, B is blank sailed: unchaining of B from A and C, chaining of A to C, segmentation refresh for A, B and C 3. A-B-C, C is blank sailed: unchaining for C from B, segmentation refresh for B and C | 2- when voyage X is blank sailed, I should be able to see individually the segmentation of X without chaining to any other voyages |  | Blank sailing action is adding a flag to a voyage but not deleting it from the database  For the blank sailed voyage, we need to see a flag for the CVN “deleted or blank sailed”  There should be a warning message at the end of the table with port call sequence in CFS screen that there are no further voyage rotations scheduled after this one (ALL-248, BR06) |
| 4 | Voyage is deleted  (description is added below the table) | **Y** |  | 1-if a voyage is deleted, we need to remove the chaining of the deleted voyage with any other voyages (previous and next as available) and connect the previous voyage (if available) with the next voyage (if available) of the rotation (of the same vessel)  and segmentation should be refreshed for the previous and next voyages and the deleted voyage  In other words, deleted voyage is a voyage that is not chained to any other voyages   1. Examples: 2. A-B-C, A is deleted: unchaining for A from B, segmentation refresh for A and B 3. A-B-C, B is deleted: unchaining of B from A and C, chaining of A to C, segmentation refresh for A, B and C 4. A-B-C, C is deleted: unchaining for C from B, segmentation refresh for B and C | 2- when voyage X is deleted, I should be able to see individually the segmentation of X without chaining to any other voyages |  | Deletion action is adding a flag to a voyage but not deleting it from the database  For the deleted voyage, we need to see a flag for the CVN “deleted or blank sailed”  There should be a warning message at the end of the table with port call sequence in CFS screen that there are no further voyage rotations scheduled after this one (ALL-248, BR06) |
| 5 | Commercial voyage number changed | **Y** |  | We should replace the changed cvn with old cvn, refresh segmentation. After refresh segmentation, should be treated as cell E2 | we should preserve the segmentation of the old cvn with a remark (cvn changed) |  | Need Confirm the (blank-sailed and restored with new CVN OR direct change of the CVN into the schedule??) triggers in C voyage- Arpita.  Need to know the payload for the CVN change for each of the triggers. |
| 6 | Voyage chaining done: | **Y** | **Y** | 1- There is a sequence A-B-C, and an unchained voyage X. It is chained after C.  Then, C-X get chained. Segmentation should be refreshed for C and X. | 2- There is a sequence A-B-C, and an unchained voyage X. It is chained between A and B.  Then, first, A and B get unchained. Second, A-X-B get chained. Segmentation should be refreshed for A-X-B | 3- There is a sequence A-B-C, and an unchained voyage X. It is chained before A.  Then, X-A get chained. Segmentation should be refreshed for X and A. | 1) Summary:  If an already existing voyage that is created (spot voyage) and it’s chained with the existing schedule. - treated the same way as in voyage creation.  2) If it is an existing voyage: only chaining event happens  3) If it is a new voyage: Question for all new voyage creation will there be 2 events one for creation other for the chaining? - Arpita  Chaining and unchaining is done for the same vessel. |
| 7 | Voyage unchaining done: | **Y** | **Y** | 1- There is a sequence A-B-C, A is unchained from B. Segmentation should be refreshed for A and B.  2- There is a sequence A-B-C, B is unchained from A and C, then A is chained to C. Segmentation should be refreshed for A, B and C.  3- There is a sequence A-B-C, C is unchained from B. Segmentation should be refreshed for B and C. | 2- when voyage X is unchained, I should be able to see individually the segmentation of X without chaining to any other voyages |  | Can happen when an already created and chained voyage is deleted / blanked sailed OR retained without Chaining then this event is triggered and actioned inside CFS.  Chaining and unchaining is done for the same vessel. |
| 8 | Port Added | **Y** | **Y** | if a port is added, is a boundary port (main, secondary or alternate), respective CFS rules should apply as per already defined in FSD. | if the added port not a boundary port, then respective CFS rules should apply | Segmentation should be refreshed for the CVN that contains added port once the event happens. | FSD reference:  Please refer to ALL-38 (BR02); ALL-218 (BR04, BR05, BR11); ALL-248 (BR02, BR04, BR05); ALL-43 (BR18, BR19)  Adding a port: port was not in proforma and got added to the schedule later; there is a flag “ADDED CALL” |
| 9 | Port Omitted | **Y** | **Y** | if a port is omitted, is a boundary port (main, secondary or alternate), respective CFS rules should apply as per already defined in FSD. | if the omitted port not a boundary port, then respective CFS rules should apply | Segmentation should be refreshed for the CVN that contains omitted port once the event happens. | FSD reference:  Please refer to ALL-38 (BR02; BR12); ALL-218 (BR02, BR04, BR05; BR09; BR10); ALL-248 (BR03, BR04, BR05); ALL-43 (BR17)  Omission of a port: port was in proforma and got removed from the schedule later; there is a flag “OMITTED CALL” |
| 10 | Port Unomitted | **Y** | **Y** | if a port is unomitted, is a boundary port (main, secondary or alternate), respective CFS rules should apply | if the unomitted port not a boundary port, then respective CFS rules should apply | Segmentation should be refreshed for the CVN that contains unomitted port once the event happens. | Unommiting a port: port was initially in proforma, then got omitted, then got added back / restored to the schedule; there is no unomitted flag, the port will be visible without any flag in CFS screen **(new requirement with Abhishek )** |
| 11 | Port Deleted | **Y** | **Y** | if a port is deleted, is a boundary port (main, secondary or alternate), respective CFS rules should apply | if the deleted port not a boundary port, then respective CFS rules should apply | in any case, segmentation to be refreshed for the CVN that contains this port | Deletion of a port: port was not in proforma, got added later, and then removed from the schedule; there is a deletion flag; deletion flag should be added to the CFS screen as “omitted call”, there is no need to create a “deleted call” flag **(new requirement led by Abhishek)** |
| 12 | Port Swapped: within the same schedule bound or across schedule bounds | **Y** | **Y** | Please update specific columns in CFS backend / screen for these fields once the event happens  **Segmentation refresh is needed:**  Port swapped within the same bound: for the voyage rotation that contains this CVN  Port swapped across bounds: for the voyage rotation that contains these two CVNs |  |  | FSD reference:  ALL-38 (BR02); ALL-218 (BR05)  Note: potentially (after MVP) we might identify and mark port swap events, for MVP we proceed with reflecting new sequence in CFS screen, without any flags  Assumption TBC with C-voyage: port swap can only happen withing the same voyage rotation |
| 13 | Terminal changed | **N** | **N** | Please update specific columns in CFS backend / screen for these fields once the event happens | No need to refresh segmentation! No need to refresh sequence! |  | FSD reference:  Please refer to ALL-38 (BR02), ALL-248 (BR04), ALL-43 (BR19) |
| 14 | Berth Date updated | **N** | **N** | Please update specific columns in CFS backend / screen for these fields once the event happens | No need to refresh segmentation! No need to refresh sequence! |  |  |
| 15 | Unberth Date updated | **N** | **N** | pls update specific columns in the back-end CFS table for these fields | No need to refresh segmentation! No need to refresh sequence! |  | We need to capture this event in back-end CFS table but it has no impact on CFS screens or segmentation as of now |
| 16 | End of sea passage updated | **N** | **N** | pls update specific columns in the back-end CFS table for these fields | No need to refresh segmentation! No need to refresh sequence! |  | We need to capture this event in back-end CFS table but it has no impact on CFS screens or segmentation as of now |
| 17 | Updated with vessel intake capacities | **N** |  | pls update specific columns in the table for these fields |  |  | On hold until sprint 16  We need to capture this event in back-end CFS table but it has no impact on CFS screens or segmentation |
| 18 | Vessel phase out | **Y** |  | 1-if a voyage is unchained, we need to remove the chaining of the blank voyage and connect the previous voyage with the next voyage of the rotation (of the same vessel) | 2- when a voyage is unchained, I should be able to see individually the segmentation without chaining |  |  |
| 19 | Vessel phase in | **Y** |  | 1- If a voyage is created after the last voyage after the service then this voyage should be chained, last voyage boundary refreshed with respective to this chaining (b after a) | 2- if a voyage is added in between to existing voyages then, the previous voyage, the newly created voyage and the existing next voyage have to be chained, segmentation to be refreshed (a-b then a b c) | 3- if a voyage is created before the first one (one voyage before a), then, the new voyage should be chained with the first (existing voyage) and segmentation refresh |  |

Port Call ID to be added to CFS back-end table, as it is required by CSA/TL.

When we say voyage in this file, we mean CVN. Chaining and unchaining is done for the same vessel.

In the event scenarios above, segmentation refresh (when Y in column “Segmentation refresh required?”) is happening once the event happens and for Schedule CVN. Segmentation refresh means: boundary type is assigned as per CFS logic (if there is boundary template, if there is no boundary template, end of schedule), then cargo flow bound is defined, then back-end cargo flow CVN is defined.

Assumption TBC with C-voyage: port swap can only happen withing the same voyage rotation

Sequence refresh is triggered = Yes: scope is always for previous (if exists), next (if exists) and in focus voyage rotation (voyage rotation = technical/executable voyage).

Omission of a port: port was in proforma and got removed from the schedule later; there is a flag “OMITTED CALL”

Adding a port: port was not in proforma and got added to the schedule later; there is a flag “ADDED CALL”

Unommiting a port: port was initially in proforma, then got omitted, then got added back / restored to the schedule; there is no unomitted flag, the port will be visible without any flag in CFS screen **(new requirement with Savli & Abhishek on all scenarios deletion omission unomission add)**

Deletion of a port: port was not in proforma, got added later, and then removed from the schedule; there is a deletion flag; deletion flag should be added to the CFS screen as “omitted call”, there is no need to create a “deleted call” flag **(new requirement led by Abhishek)**

Deletion of a CVN: CVN was not in initial proforma sequence of CVNs, got added later, and then flagged as deleted in the schedule; flag to be added in CFS for this CVN; such voyage should be non-editable in CFS screens **(add new requirement and mock-ups). This is an assumption that there is a deletion concept in c-voyage. TBC on the explanation on the deletion vs blank sailing! Name of the flag will be the same for deletion and blank sailing of a CVN “deleted or blank sailed voyage”!**

Blank sailing of a CVN: CVN was in initial proforma sequence of CVNs, got blank sailed later; flag to be added in CFS for this CVN; such voyage should be non-editable in CFS screens **(add change request and mock-ups)**

Do we need port call ID in CFS backend?