

Silver – Attachment B

Loop Qual Data Elements by Qualification Type for AIT Region

Data Element			Archived Actual			Actual			Manual			
			Region			AIT			AIT			AIT
1	Wire Center Code (NPANXX)	(NPA/NXX)			X			Note 1				X
2	Overall Qualification Status	(LOOPSTAT)			X			X				X
3	Spectrum Management Class	(SMC)			X			X				X
4	Taper Code	(TC)			X			X				Note 2
5	Reference Number	(REFNUM)			Note 1			Note 1				Note 1
6	Build Date	(BLDDT)										X
7	Date Record was Last Accessed	(RCDACCDT)										X
8	Source of data (Loop Type)	(LLT)			'B'			'A'				'C'
9	Type of Digital Loop Carrier (DLC)	(DLCTYPE)										X
10	Loop length by segment (F1, F2)	(SEGFN) + (LFN)			X			X				X
11	Total Loop length	(LL)			X			X				X
12	Loop length by gauge	(LLG)			X			X				X
13	26 gauge equivalent loop length	(ELL)			X			X				X
14	Quantity of load coils	(LCQ)			X			X				X
15	Location of load coils	(LCL)			X			X				X
16	Quantity of repeaters	(RPETRQTY)			X			X				X
17	Location of repeaters	(RPETRLNG)			X			X				X
18	Type of repeaters	(RPETRTYPE)										X
19	Loop Medium Type	(LMC)			X			X				X
20	Location of non-ADSL capable RT by address	(LMADDR)						X				X
21	Location of non-ADSL capable RT by CLLI	(LST)						X				X
22	Loop Length (Copper)	(LLC)			X			X				X
23	Loop Length (Fiber)	(LLF)			X			X				X
24	Presence of Remote Switching Unit (RSS)	(RSUIND)			X			X				X
25	Type of Remote Switching Unit (RSS)	(RSUTYP)										X
26	Presence of ADSL capable RT	(RTAA)			X			X				X
27	Remote Terminal Indicator	(RTIND = Y or N)			X			X				X
28	Target deployment date of ADSL capable RT	(RTAAD)			X			X				X
29	Location of ADSL capable RT by CLLI	(RTAAL)			X			X				X
30	Location of Range Extender	(REC)										X
31	Resistance zone	(RSST)			X			X				X
32	Quantity of bridged tap	(BTQ)			X			X				X
33	Length of bridged taps	(BTLEN)			X			X				X
34	Location of bridged tap by occurrence	(BTL)			X			X				X
35	F1 Disturber Type	(F1DT)			X			X				X
36	F1 Disturber Location	(F1DL)			X			X				X
37	F1 Disturber Quantity	(F1DQ)			X			X				X
38	F2 Disturber Type	(F2DT)			X			X				X
39	F2 Disturber Location	(F2DL)			X			X				X
40	F2 Disturber Quantity	(F2DQ)			X			X				X
41	Other F1 Risk Type	(OTHF1RT)			X			X				X
42	Other F1 Risk Location	(OTHF1RL)			X			X				X

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Data Element			Archived Actual			Actual			Manual		
			Region			AIT			AIT		
43	Other F1 Risk Quantity	(OTHF1RQ)			X			X			X
44	Other F2 Risk Type	(OTHF2RT)			X			X			X
45	Other F2 Risk Location	(OTHF2RL)			X			X			X
46	Other F2 Risk Quantity	(OTHF2RQ)			X			X			X
47	Range Extender Indicator	(REIND)			X			X			X
48	Type of plant (aerial or buried)	(PLNTTC)			X			X			X
49	Gauge of loop by plant type	(PLNTG)						X			X
50	Length of loop by plant type	(PLNTLEN)						X			X
51	Segment of loop by plant type	(PLNTSEGFN)						X			X

NOTES:

General: 'X' denotes the value will be returned, when available, as specified in the data Element Definition. Shaded boxes indicate the data is never available or applicable to that Loop Qual request type and/or region.

Note 1: Values provided by the user on the input messages are included in the response message.

Note 2: Generally will contain the TAPER code except when the address information provided is insufficient to determine loop makeup in which case an error code is returned in this field. See table below

Code	Rejection Message	Description
X01	Suite, floor, or apartment number is missing	The CLEC's request does not have the appropriate suite, floor or apartment number.
X02	Numeric address provide is out of range high	The numeric address the CLEC provided is out of range high in relationship to the engineering records.
X03	Numeric address provide is out of range low	The numeric address the CLEC provided is out of range low in relationship to the engineering records.
X04	Street name is not valid	The engineer is unable to find the street name that the CLEC requested
X05	The assignable house number (AHN) is invalid/missing	The AHN is either missing, invalid, or cannot be found by the engineer on the CLEC request.
X06	Address Other	Anything that is not covered above would fall in this category. This will require the CLEC to contact the LSC and work with the engineer as to the reason.

Loop Qual Type Definitions:

Archived Actual data is stored in Loop Qual and refreshed monthly. It is sourced from: LFACS Disturbers, ARES LMU, PCAT PRONTO.

Actual data is provided from OSS mechanized outside plant records.

Manual Loop Request data is created upon request by an engineer from sources including LFACS, ARES and paper records and the result is stored in the DB for 90 days.

Loop Qual Data Elements by Qualification Type for AIT Region

Data Element Definitions:

1. Wire Center Code (NPANXX),
2. Overall Qualification Status, Color text field. Calculated from 26 gauge equivalent loop length: <=12,000 feet = 'GREEN', >12,000 <=17,500 feet = 'YELLOW', >17,500 feet = 'RED'. If PRESENCE OF PAIR GAIN field >0 then Color = 'RED' regardless of loop length.
3. Power Spectrum Density Code (PSD), Returns value input by user. Defaults to "5" in no user input value.
4. Taper Code,
5. Reference Number, 16 character field (optional) provided by requestor and echoed back with Loop Qual return.
6. Build Date, Design; date design record was created, Manual; date engineer completed the MLR.
7. Date Record was Last Accessed, date this record was last accessed. Only applies to Manual Loop Request.
8. Source of data; LOOP_TYPE_CD; indicates the event type which generated the particular Loop Qual data return; Archived Actual = 'B', Actual LFACS/ARES = 'A', Manual (MLR) = 'C'
9. Type of Digital Loop Carrier (DLC),
10. Loop Length by Segment; FN_LNGTH_NBR; ARES (AIT), the length of copper wire within each loop segment (F1, F2 .. Fn)
11. Total Loop Length; LOOP_LNGTH_NBR; ARES (AIT), the sum of all copper wire segments in a loop as measured starting from the CO Frame and ending at the Serving Terminal. Expressed in thousands of feet.
12. Loop Length by Gauge; LOOP_LNGTH_GAUG_X_NBR; ARES (AIT), the total length of all copper wire in a loop summed by wire gauge (19, 22, 24, 26). Non-standard wire gauges are treated as the next smaller (larger number) standard gauge. Aluminum wire gauges are treated as 2 sizes smaller standard copper wire gauges.
13. 26 gauge equivalent loop length; EQ26_LOOP_LNGTH_NBR; CALCULATED, the sum of all copper wire lengths after conversion to 26 gauge equivalent using the following multipliers: 19 gauge = 0.41, 22 gauge = 0.64, 24 gauge = 0.80, 26 gauge = 1
14. Quantity of load coils, shows count of load coils present on loop.
15. Location of load coils; LOAD_COIL_LOC_LNGTH; length (in kilofeet) of each occurrence of load coil from the central office.
16. Quantity of repeaters; REPEATER_QTY; ARES (AIT)
17. Location of repeaters; REPEATER_LOC_LNGTH; ARES (AIT)
18. Type of repeaters; REPEATER_AGGR; ARES (AIT)
19. Loop Medium Type; LOOP_MEDM_TYPE_CD; ARES (AIT), 'A'=copper, 'B'=pair gain, 'C'=copper/DLC, 'D'=FTTC, 'E'=DAML
20. Location of non-ADSL capable RT by address,
21. Location of non-ADSL capable RT by CLLI,
22. Loop Length (Copper), length of loop from RT to serving terminal. Only populated when a Remote Terminal (RT) present on loop.
23. Loop Length (Fiber), length of loop from CO to RT. Only populated when a Remote Terminal (RT) present on loop.
24. Presence of Remote Switching Unit (RSS); RMT_SW_UNIT_IND, indicates that the loop originates at a Remote Switching Unit (RSU). Values are 'Y' or blank.
25. Type of Remote Switching Unit (RSS); RMT_SW_UNIT_TYPE_CD, indicated type of Remote Switching Unit (RSU), Example = 'RSS'.
26. Availability of ADSL capable RT, Values provided by PRONTO via access to LoopQual host.
27. Presence of ADSL/Non-ADSL Capable Remote Terminal (RT),
28. Target deployment date of ADSL capable RT, Values provided by PRONTO via access to LoopQual host.
29. Location of ADSL capable RT by CLLI, Values provided by PRONTO via access to LoopQual host.
30. Range Extender Indicator, Indicates the presence of a range extender on the loop (Y = Yes or blank returned)
31. Resistance zone; RSST_ZONE_NBR, resistance zone of loop specified in Ohms (hundreds), Example '13' = 1300 ohms.
32. Quantity of bridged tap by occurrence,
33. Length of bridged taps, BRDG_TAP_LOC_LNGTH_NBR; ARES (AIT), length (in kilofeet) of total bridged tap associated with the loop.
34. Location of bridged tap by occurrence; BRDG_TAP_LOC_LNGTH; length (in kilofeet) of each occurrence of bridge tap from the central office.
35. F1 Disturber type, identifies the type of disturber present in the feeder facility; **A** = Indicates Reserved T1
36. F1 Disturber location, Location of disturbers in same (**B**) or adjacent (**A**) binder groups within the distribution cable,
37. F1 Disturber Quantity, indicates the quantity of disturber types (T1) that appear for each disturber location in the feeder facility
38. F2 Disturber type, identifies the type of disturber present in the distribution facility; **A** = Indicates Reserved T1
39. F2 Disturber location, Location of disturbers in same (**B**) or adjacent (**A**) binder groups within the distribution cable,
40. F2 Disturber Quantity, indicates the quantity of disturber types (T1) that appear for each disturber location in the distribution facility
41. OTHF1RT-indicates the type of other advanced services risks within the feeder cable which interfere with the DSL signal (**A** = HDSL, **B**=ISDN, **C**=DS1, **D**=ADSL, **E**=Other (hicap)

**Loop Qual Data Elements by Qualification
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- 42. Other F1 Risk Location, indicates the proximity of the other advanced services risks within the feeder cable; **A** = adjacent binder group, **B** = same binder group
- 43. OTHF1RQ indicates the quantity of other advanced services risks types (HDSL, etc) found for the location (same or adjacent binder groups) in the feeder cable
- 44. OTHF2RT-indicates the type of other advanced services risks within the distribution cable which interfere with the DSL signal (**A** = HDSL, **B**=ISDN, **C**=DS1, **D**=ADSL, **E**=Other (hicap)
- 45. Other F2 Risk Location, indicates the proximity of the other advanced services risks within the distribution cable; **A** = adjacent binder group, **B** = same binder group
- 46. OTHF2RQ indicates the quantity of other advanced services risks types (HDSL, etc) found for the location (same or adjacent binder groups) in the distribution cable
- 47. Range Extender Indicator indicates the presence of a range extender on the loop; Y= Yes, or blank
- 48. Type of plant (aerial or buried), 'A' = aerial, 'B' = buried, 'U' = underground
- 49. Indicates the gauge of the loop by plant type.
- 50. Indicates the length of the loop by plant type.
- 51. Indicates the segment of the loop (F1-F9) between the CO and the customer's serving terminal by plant type.