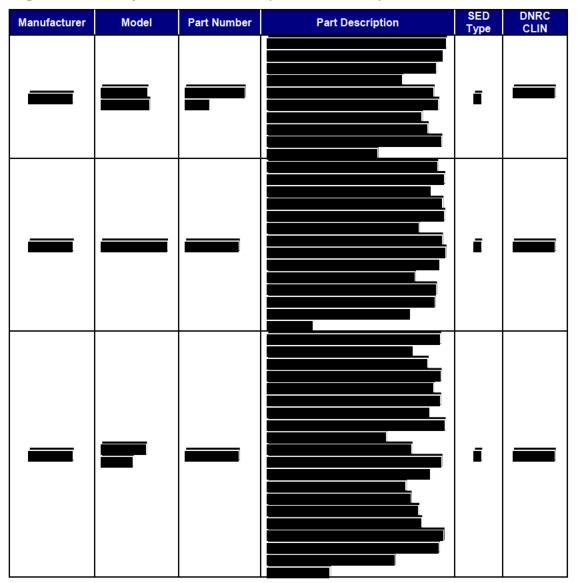


# 8.0 SERVICE ENABLING DEVICES (SEDS) (L.34.1.8)

Qwest proposes the following SEDs (*Figure 8.0-1*) for mandatory and optional services in response to the location-based and service-specific SEDs requirement sets defined in Section J.5.

Figure 8.0-1 Pro	posed SED Items	(Table L.34.1-5)





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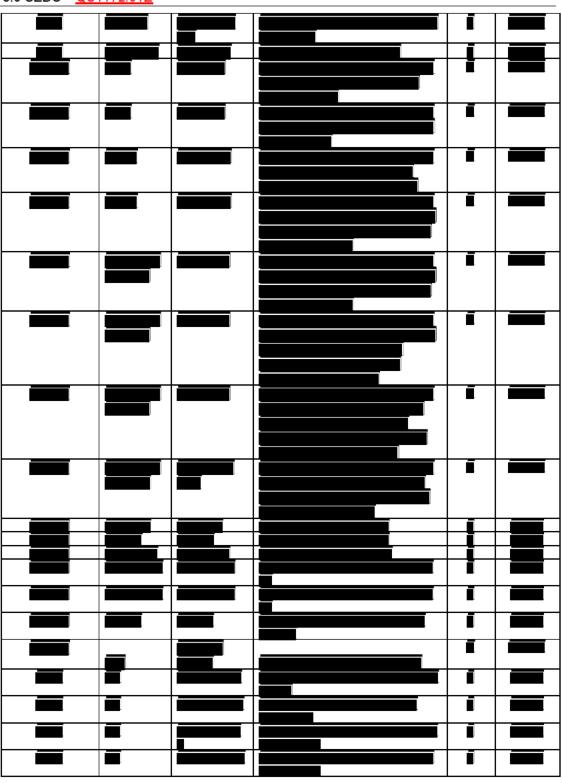


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Networx Universal 8.0 SEDS – <u>QU1172.01E</u>

## 8.1 LOCATION-BASED SEDS FOR MANDATORY SERVICES

(L.34.1.8.1)

Figure 8.1-1 Location-Based SEDs Data (Table L.34.1-6)

Suite No.	SED type	Manufacturer	Model	Part Number	DNRC CLIN	Quantity in Suite
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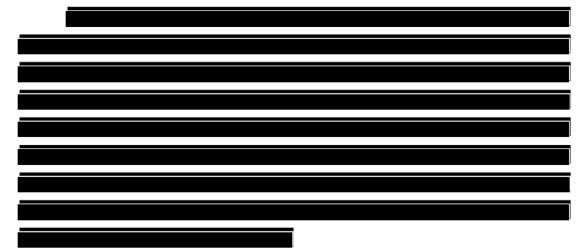
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Suite No.	SED type	Manufacturer	Model	Part Number	DNRC CLIN	Quantity in Suite
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Qwest's solution to SED Sets 1-40 were developed to meet the required UNI scenarios as defined in RFP Table J.5.1. Each SED was chosen



to fulfill requirements based on a number of factors including Access Bandwidth, Number of Legs, UNI Bandwidth, Quantity, and UNI Type.

Qwest has chosen industry-leading equipment manufacturers to provide the required SEDs for our Networx services based upon their ability to provide cost-effective, standards-based hardware solutions.



Qwest has provided cost-effective, location-based SED solutions to address the Government's diverse network environment requirements. For each numbered requirement set in Section J.5.1, Qwest has provided the make, model, and manufacturer's part number, as well as Qwest's selected device non-recurring charge (DNRC) Contract Line Item Number (CLIN) for each priceable SED item proposed. This information is contained in Table L.34.1-6 above. We have identified each proposed item by its SED Type (that is, whether it is stand-alone [S], a base unit of a packaged SED [B], or a configurable component for a packaged SED [C]), as defined in Section B.4. We have detailed the quantity of each itemized, priceable SED in our proposed SED Suite that will be needed to satisfy the requirements in the requirement set.



# 8.2 SERVICE-SPECIFIC SEDS FOR MANDATORY SERVICES (L.34.1.8.2)

(Req\_IDs 2598, 2599, 2600, 2601, 2603, 2605, 2606, 2607, 7670, 7671, 7673, 7674)

Qwest has provided the following cost-effective Service-Specific SED solutions to address the Government's diverse network environment requirements:

Figure 8.2-1 Service-Specific SEDs Data (Table L.34.1-7)

Suite No.	SED Type	Manufacturer	Model	Part Number	DNRC CLIN	Quantity in Suite
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Suite No.	SED Type	Manufacturer	Model	Part Number	DNRC CLIN	Quantity in Suite
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#### Networx Universal 8.0 SEDS – <u>QU1172.01E</u>

Suite No.	SED Type	Manufacturer	Model	Part Number	DNRC CLIN	Quantity in Suite
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## 8.2.1 SED Set No. 41 – Cellular/Personal Communications Service

Qwest shall provide an SED for CPCS as defined in the contract requirements to include the following functional requirements:





## 8.2.2 SED Set No. 42 – Cellular/Personal Communications Service

Qwest shall provide an SED for CPCS as defined in the contract requirements to include the following functional requirements:



## 8.2.3 SED Set No. 43 – Cellular/Personal Communications Service

Qwest shall provide an SED for CPCS as defined in the contract requirements to include the following functional requirements:





## 8.2.4 SED Set No. 44 – Cellular/Personal Communications Service

Qwest shall provide an SED for CPCS as defined in the contract requirements to include the following functional requirements:







## 8.2.5 SED Set No. 45 – Audio Conferencing Service

(Req\_IDs 2496, 2497, 2499, 2500, 2501, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 7658)



## 8.2.5.1 Description of SED (L.34.1.8.1 (a) and (b))

Qwest's solution to SED Set #45, Audio Conferencing Service (ACS) is

highlighted below.

8.2.5.2 How SED Meets Customer-Premises and Mobile Equipment and Software Requirements (L.34.1.8.1 (c))

Qwest has developed SED Suite #45 in accordance with the Government's requirements defined in Section J.5.2 of the RFP. Qwest has



proposed devices based on the following criteria: leading industry technology, cost-effective, standards-based, and vendors with strong backing and reputation. Qwest's solutions have been designed to fulfill the Government's diverse network environment requirements.

## 8.2.6 SED Set No. 46 – Multimode/Wireless LAN Service (MWLANS)

(Req\_IDs 2488, 2489, 2490, 2493, 2494, 2495, 7657)

## 8.2.6.1 Description of SED (L.34.1.8.1 (A) and (B))

Qwest's solution to SED Set #46, Multimode/Wireless LAN Service (MWLANS) is presented below.





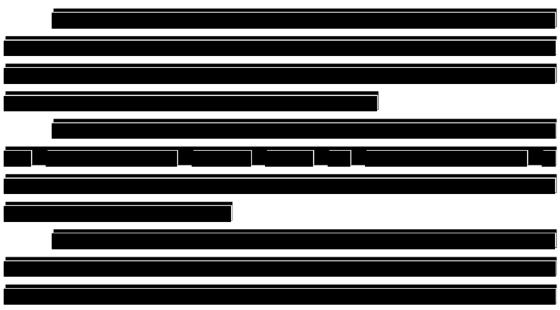


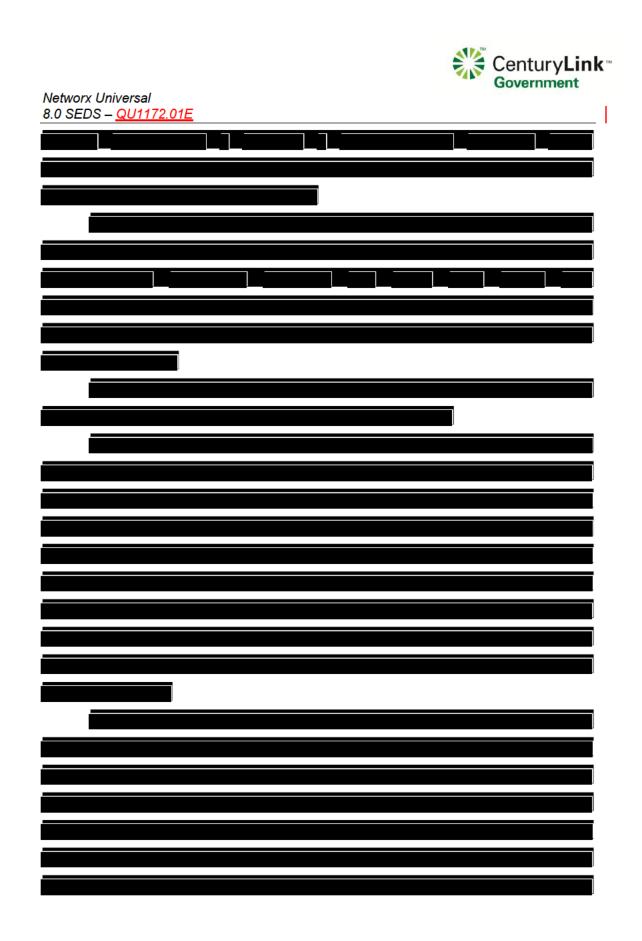
## 8.2.7 SED Set No. 47 - Storage Services

(Req\_IDs 2464, 2465, 2466, 2467, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2481, 2482, 2483, 2484, 2485, 2487)

## 8.2.7.1 Description of SED (L.34.1.8.1 (a) and (b))

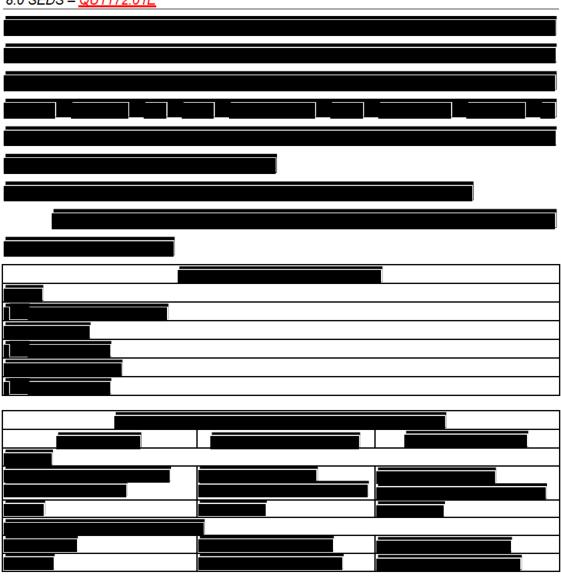
Qwest's solution to SED Set #47, Storage Services (SS), is illustrated below.







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# 8.2.7.2 How SED Meets Customer-Premises and Mobile Equipment and Software Requirements (L.34.1.8.1 (c))

Qwest has developed SED Suite #47 in accordance with the Government's requirements defined in Section J.5.2 of the RFP. Qwest has proposed devices based on the following criteria: leading industry technology, cost-effective, standards-based, and vendors with strong backing and



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reputation. Qwest's solutions have been designed to fulfill the Government's diverse network environment requirements.

## 8.2.8 SED Set No. 48 - Optical Wavelength Service

(Req\_IDs 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2458, 2459, 2460, 2461, 2462, 2463)

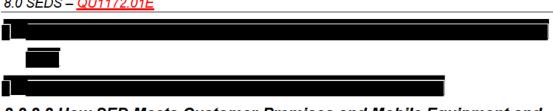
## 8.2.8.1 Description of SED (L.34.1.8.1 (a) and (b))

Qwest's solution to SED Set #48, Optical Wavelength Service (OWS), is highlighted below.



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8.2.8.2 How SED Meets Customer-Premises and Mobile Equipment and Software Requirements (L.34.1.8.1 (c))

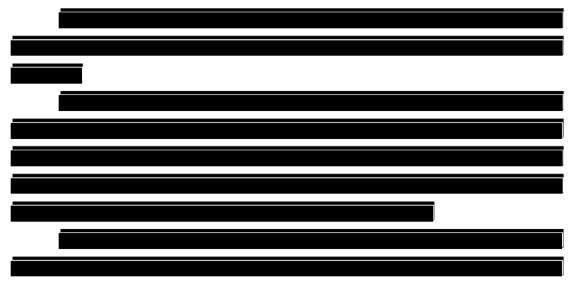
Qwest has developed SED Suite #48 in accordance with the Government's requirements defined in Section J.5.2 of the RFP. Qwest has chosen service compliant devices based on the following criteria: leading industry technology, cost-effective, standards-based, and vendors with strong backing and reputation. Qwest's solutions have been designed to fulfill the Government's diverse network environment requirements.

## 8.2.9 SED Set No. 49 - SONET Service

(Req\_IDs 2411, 2412, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2436)

## 8.2.9.1 Description of SED (L.34.1.8.1 (a) and (b))

Qwest's solution to SED Set #49, SONET Service (SONETS), is shown below.





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# 8.2.9.2 How SED Meets Customer Premises and Mobile Equipment and Software Requirements (L.34.1.8.1 (c))

Qwest has developed SED Suite #49 in accordance with the Government's requirements defined in Section J.5.2 of the RFP. Qwest has chosen service-compliant devices based on the following criteria: leading industry technology, cost-effective, standards-based, and vendors with strong backing and reputation. Qwest's solutions have been designed to fulfill the Government's diverse network environment requirements.

## 8.2.10 SED Set No. 50 - Video Teleconferencing Service

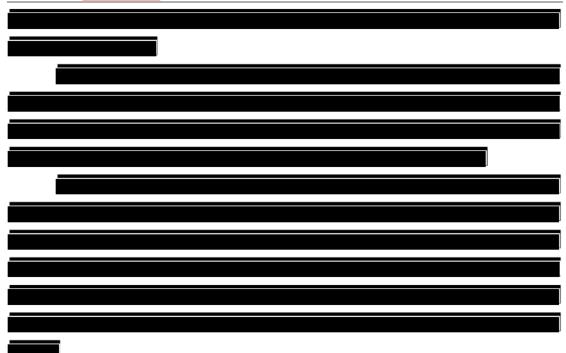
(Req\_IDs 2270, 2353, 2354, 2356, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2368, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2381, 2382, 2383, 2384, 2385, 2387, 2388, 2389, 2390, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 7640, 7649, 7650, 7651, 7652, 7653, 7654, 7655, 7656)

## 8.2.10.1 Description of SED (L.34.1.8.1 (a) and (b))

Qwest's solution to SED Set #50, Video Teleconferencing Service (VTS), is presented below.







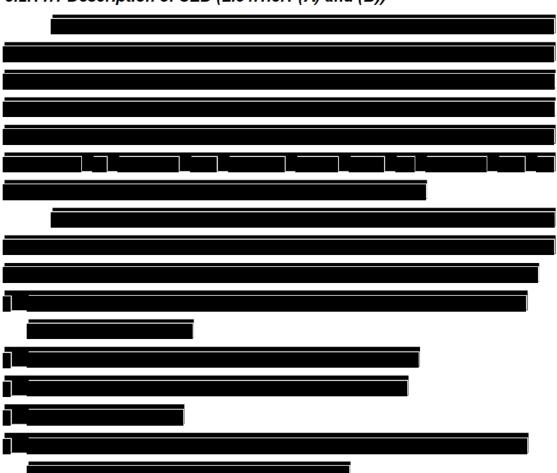
## 8.2.10.2 How SED Meets Customer Premises and Mobile Equipment and Software Requirements (L.34.1.8.1 (c))

Qwest has developed SED Suite #50 in accordance with the Government's requirements defined in Section J.5.2 of the RFP. Qwest has proposed devices based on the following criteria: leading industry technology, cost-effective, standards-based, and vendors with strong backing and reputation. Qwest's solutions have been designed to fulfill the Government's diverse network environment requirements.

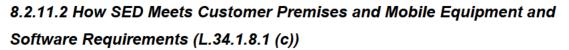
## 8.2.11 SED Set No. 51 - Video Teleconferencing Service

(Req\_IDs 2294, 2295, 2297, 2298, 2299, 2300, 2301, 2303, 2304, 2305, 2308, 2312, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2325, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2348, 2349, 2350, 7641, 7642, 7643, 7644, 7645, 7646, 7647, 7648)





## 8.2.11.1 Description of SED (L.34.1.8.1 (A) and (B))



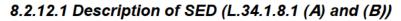
Qwest has developed SED Suite #51 in accordance with the Government's requirements defined in Section J.5.2 of the RFP. Qwest has proposed devices based on the following criteria: leading industry technology, cost-effective, standards-based, and vendors with strong backing and reputation. Qwest's solutions have been designed to fulfill the Government's diverse network environment requirements.

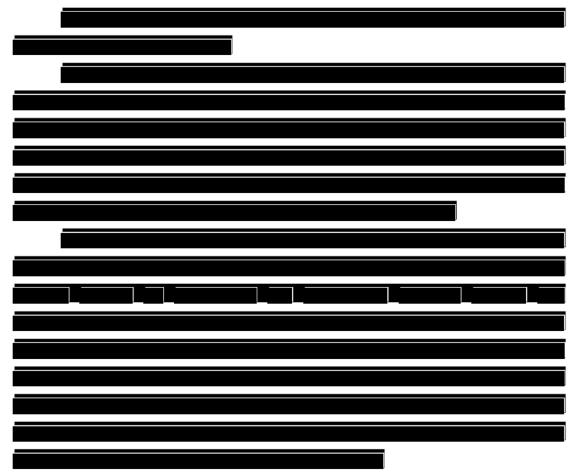


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8.2.12 SED Set No. 52 - Internet Protocol Telephony Service

(Req\_IDs 2274, 2275, 2276, 2277, 2278, 2279, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290)





# 8.2.12.2 How SED Meets Customer Premises and Mobile Equipment and Software Requirements (L.34.1.8.1 (c))

Qwest has developed SED Suite #52 in accordance with the Government's requirements defined in Section J.5.2 of the RFP. Qwest has proposed devices based on the following criteria: leading industry technology, cost-effective, standards-based, and vendors with strong backing and



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reputation. Qwest's solutions have been designed to fulfill the Government's diverse network environment requirements.

## 8.2.13 SED Set No. 53 - Internet Protocol Telephony Service

(Req\_IDs 2271, 2272, 2273)

## 8.2.13.1 Description of SED (L.34.1.8.1 (A) and (B))

Qwest's solution to SED Set #53, IPTELS, is shown below.







## *8.2.13.2* How SED Meets Customer-Premises And Mobile Equipment And Software Requirements (L.34.1.8.1 (c))

Qwest has developed SED Suite #53 in accordance with the Government's requirements defined in Section J.5.2 of the RFP. Qwest has proposed the solution based on the following criteria: leading industry technology, cost-effective, standards-based, and vendors with strong backing and reputation. Qwest's solutions have been designed to fulfill the Government's diverse network environment requirements.