

ID	Subject Matter	Sub Category	Question	Data Needs	Likely Format	Primary Source	Other Sources
1	Launch Operations	Facilities and Operations Planning	What are your future development plans and requirements at your SLC, other areas at the Cape, and off-base? Need to know expected construction dates, facility use, operations, siting, size (including height), utility requirements (capacity and usage), equipment traffic operations and logistics, number of personnel.	Written description and site plans	Site Plan	LSP, NOTU	SLD 45 CES, XP
2	Launch Operations	Facilities and Operations Planning	Provide a current site plan for your launch complex. Includes launch pad location.	Site Plan	Site Plan	LSP, NOTU	SLD 45 CES
3	Launch Operations	Facilities and Operations Planning	What existing facilities do you currently occupy at CCSFS?	Building names and numbers	Table	LSP	ALL
4	Launch Operations	Launch cadence	What are your expected number of launches per each year for the next 10 years? Itemize by vehicle type and SLC. Include KSC launches.	Written description and table	Table	LSP, NOTU	SLD 45 CES, XP
5	Launch Operations	Launch Vehicle Propellant / Cryogenics	Describe your launch vehicle fuel usage.	Propellant type, usage rate, usage location, launch provider	Table	LSP	SLD 45/SME
6	Launch Operations	Launch Vehicle Propellant / Cryogenics	How and when is the launch vehicle fuel delivered to the launch complex?	Propellant type, peak flow rate, delivery location, route information, truck or pipeline	Table	LSP	SLD 45/SME
7	Launch Operations	Launch Vehicle Propellant / Cryogenics	How is the launch vehicle fuel stored at the launch complex? What is the quantity of each commodity stored?	Propellant type, storage capacity, storage location, storage owner	Table	LSP	SLD 45/SME
8	Launch Operations	MSA	What is SLD 45's current MSA storage policy for launch service providers and other government agencies? Follow up questions for stakeholders will be identified based on SLD 45 policy.	Written description and table	Table	SLD 45	
9	Launch Operations	MSA	What are your future MSA storage needs, requirements, and timeframe?	Written description and table	Table	LSP	SLD 45/SME

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10	Launch Operations	Facilities and Operations Planning	Do you have personnel and facilities at CCSFS that support launch operations before or during launches? What facilities and how many personnel are involved?	Written description and table	Table	LSP	SLD 45/SME
11	Launch Operations	Facilities and Operations Planning	Describe your operations and movements during a launch?	Written description	Written description	LSP	SLD 45/SME
12	Launch Operations	Limiting Factors	What is the threshold to be considered a failure? - When a launch cannot happen due to a commodity or utility not being available? - When a the use of a commodity or utility demand impacts other facilities or operations on CCSFS? - When a commodity or utility demand limit affects operations or scheduling? - When capacity of a commodity or utility is limited by a single point of failure, or when the redundant source is reaches capacity?	Written description	Written description	SLD 45	LSP
13	Launch Operations	Line of Sight factors	Provide LOS Considerations when siting facilities. Will do an analysis based on proposed future facility locations.	LOS Factor	GIS, table	SLD 45/SME	LSP, NOTU
14	Safety	QD Arcs	Confirm current and provide planned Launch Vehicle QD Arcs for each vehicle type.	Arc Center and Radius	GIS, table	LSP, SLD 45	
15	Safety	QD Arcs	Provide existing and proposed Propellant Storage Arcs.	Arc Center and Radius	GIS, table	LSP, SLD 45	
16	Safety	QD Arcs	Confirm existing and provide proposed Munitions Storage locations and QD Arcs	Arc Center and Radius	GIS, table	LSP, SLD 45	
17	Safety	QD Arcs	Provide existing and future payload processing and transportation clearance requirements.	Arc Center and Radius	GIS, table	LSP, SLD45, NRO, NOTU	45 CES
18	Safety	Launch Safety	Provide noise contours for each launch vehicle, both existing and proposed.	Noise Contours	GIS, table	LSP	SLD 45
19	Safety	Launch Safety	Provide overpressure contours for launch and landings for current and proposed launch operations.	Overpressure Contours	GIS, table	LSP	SLD 45

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20	Safety	Launch Safety	What weather impacts launch operations?	Written description and table for temperature, humidity, wind and precipitation	table	LSP, NOTU	SLD 45
21	Safety	QD Arcs	How long before launch or test is your QD arc established? How long is a QD arc established for each launch?	Hours/Days	Table	LSP, NOTU, SLD 45/SME	
22	Safety	QD Arcs	When a launch vehicle QD arc is established, what vehicle traffic is authorized to travel between the PTR and IBD arcs?	Written description and table by vehicle type and quantity	Table	SLD 45/SME	
23	Safety	QD Arcs	When a launch vehicle QD arc is established, what vehicle traffic is authorized to travel through the PTR arc?	Written description and table by vehicle type and quantity	Table	SLD 45/SME	
24	Safety	SCA	Which launches/landings will create a Special Clear Area (SCA) in the Industrial Area?	Written description and table by vehicle type and quantity	Table	SLD 45/SME	
25	Safety	BDA, FHA, FCA, SCA, VCC	What vehicle traffic is authorized in the following conditions: Blast Danger Area (BDA), Flight Hazard Area (FHA), Flight Caution Area (FCA), Special Clear Area (SCA), Vehicle Clear Contour (VCC), other	Written description and table by vehicle type and quantity	Table	SLD 45/SME	
26	Safety	BDA, FHA, FCA, SCA, VCC	Provide example safety zone plan [Blast Danger Area (BDA), Flight Hazard Area (FHA), Flight Caution Area (FCA), Special Clear Area (SCA), Vehicle Clear Contour (VCC), other] for the following: - o Vulcan launch from SLC 41 - o Falcon 9 launch from SLC 40 - o Falcon Heavy launch from SLC 40 - o Falcon 9 launch from SLC 40 with return to LZ1 - o Falcon Heavy launch from SLC 40 with return to LZ1 - o New Glenn launch from SLC 36 and SLC 46 - o Kitsune launch from SLC 36 - o Relativity launch from SLC 16 - o Starship launch and landing at SLC 37 - o NOTU Trident II launch and landing at SLC 51	Example Safety Zone Plans	Safety Zone Plans/GIS of contours	LSP, SLD 45/SME	

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27	Safety	SCA	Is there an expected reduction in size or time impact of safety areas when launch vehicles become more frequent?	Written description	Written description	LSP	SLD 45
28	Safety	Airfield Safety	Provide airfield safety considerations for launch operations.	Safety Criteria factor, AICUZ	GIS, table	SLD 45/SME	
29	Safety	Transportation	Are there any other blockades set up outside of the times in the example safety zones?	Written description	Written description	SLD 45/SME	
30	Transportation	Haul Routes	What are your haul route requirements to the Cape and between facilities at the Cape. Large vehicle movements, delivery vehicles (fuels, gases, water, etc.), POVs/GOVs. What are the entry points to CCSFS? When do these movements happen in relation to a launch?	Written description and map/support graphics	GIS	LSP	SLD 45 CES
31	Transportation	Haul Routes	What vehicle movements do you have associated with each launch? Personnel, cameras, radar trailers, light trailers. Where are they stored and where do they set up during launches?	Written description and map/support graphics	GIS	LSP	SLD 45 CES
32	Transportation	Haul Routes	What are the road closures during launches for each complex?	Event quantity, duration and location	Table	45 CES	45 SFS
33	Transportation	Haul Routes	Describe Large Cargo / Launch Component Movements.	Vehicle quantity, cargo type and delivery destination and customer	Report, table	45 SFS, 45 CES, LSP	Traffic Survey
34	Transportation	Haul Routes	Describe haul routes for material delivery.	Vehicle quantity, cargo type and delivery destination and customer	Report, table	45 SFS, 45 CES, LSP	Traffic Survey
35	Transportation	Launch Vehicles	Vehicle Types	Vehicle quantity, cargo type and delivery destination (table)	Table	LSP	
36	Transportation	Launch Vehicles	Vehicle Payloads	Vehicle quantity, payload type and delivery destination (table)	Table	LSP	

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37	Transportation	Truck Inspection Queues	Truck Qty	Truck quantity, type and location	Report, table	Traffic Survey	45 SFS, 45 CES, LSP
38	Transportation	Truck Inspection Queues	Open Lanes	Open lane quantity and gate location	Report, table	Traffic Survey	45 SFS, 45 CES, LSP
39	Transportation	POV Usage	POV Traffic	Vehicle type, quantity and location	Report, table	Traffic Survey	45 SFS, 45 CES, LSP
40	Transportation	POV Usage	Gate Vehicle Qty	Vehicle quantity and gate location	Report, table	Traffic Survey	45 SFS, 45 CES, LSP
41	Transportation	POV Usage	Open Lanes	Lane Quantity and gate location	Report, table	Traffic Survey	45 SFS, 45 CES, LSP
42	Utilities	Electrical	Provide current and future electrical loads for launch complex or future facilities	KW/MW, KVA/MVA, V, A	Table	LSP	SLD 45/SME
43	Utilities	Electrical	Document Duration of Load	KWH	Table	LSP	SLD 45/SME
44	Utilities	Electrical	What is the capacity of existing FPL substations?		Table	SLD 45/SME	FPL
45	Utilities	Electrical	What is the capacity of existing generator stations?		Table	SLD 45/SME	
46	Utilities	Electrical	Need documentation and mapping of existing electrical infrastructure.		GIS/Drawing	SLD 45/SME	
47	Utilities	Electrical	What is the status of projects from SPotFi? What are the projected utility requirements for new projects?		Table	SLD 45 SPotFi/SME	
48	Utilities	Electrical	Identify critical asset locations and redundancy requirements.	Asset Location, User	GIS	SLD 45/SME	On Base stakeholders
49	Utilities	Water	Potable Requirements - by user (launch, wet-dress/system checkout, and pad washdown)	Peak Flow Rate, Sustained Flow Rate, Location, Activity	GIS/Table	SLD 45/SME	On Base stakeholders
50	Utilities	Water	Potable Supply - PS2	Peak Flow Rate, Sustained Flow Rate, Location	GIS/Table	City of Cocoa	45 CES
51	Utilities	Water	Potable Supply - PS3	Peak Flow Rate, Sustained Flow Rate, Location	GIS/Table	NASA	45 CES
52	Utilities	Water	Fire Water Supply - North	Peak Flow Rate, Sustained Flow Rate, Location	GIS/Table	NASA	45 CES
53	Utilities	Water	Potable Water Storage (Volume and fill rate)	Volume	GIS/Table	SLD 45/SME	On Base stakeholders

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54	Utilities	Wastewater	Wastewater Requirements - by user (deluge storage capacity, disposal rate, lift station holding capacity, lift station pump rate)	Peak Flow Rate, Sustained Flow Rate, Location, Activity	GIS/Table	SLD 45/SME	On Base stakeholders
55	Utilities	Wastewater	WWTP Treatment Capacity	Peak Flow Rate	GIS/Table	SLD 45/SME	
56	Utilities	Wastewater	WWTP Drying Bed Capacity	Volume	GIS/Table	SLD 45/SME	
57	Port Activities	Afloat	What are your existing and proposed barge activities?	Vessel Size, Barge L, W, draft, turning radius, tug required, launch provider	Written description, table	LSP	SLD 45/SME
58	Port Activities	Ashore	What are the existing and proposed Army Wharf Operations?	Cargo type, frontage (LF), Roll on/off (Y/N), Storage Capacity (Ac), Hazardous Ops (Y/N), Crane Capacity (ton)	Written description, table	SDDC	SLD 45/SME
59	Port Activities	Ashore	What are the existing and proposed Mariner Wharf Operations?	Cargo type, frontage (LF), Roll on/off (Y/N), Storage Capacity (Ac), Hazardous Ops (Y/N), Crane Capacity (ton)	Written description, table	ULA	SLD 45/SME
60	Port Activities	Ashore	What are the existing and proposed NOTU Wharf Operations?	Cargo type, frontage (LF), Roll on/off (Y/N), Storage Capacity (Ac), Hazardous Ops (Y/N), Crane Capacity (ton)	Written description, table	NOTU	SLD 45/SME
61	Port Activities	Ashore	What are the existing and proposed Wharf Operations for booster returns?	Cargo type, frontage (LF), Roll on/off (Y/N), Storage Capacity (Ac), Hazardous Ops (Y/N), Crane Capacity (ton)	Written description, table	LSP	SLD 45/SME