

Space Satellite Launch Scenario Questions

Question 1:

It states in the scenario that the rocket issues are being addressed by another team, does this imply that we do not have to worry about launch issues and can solely focus on satellite placement?

Partially correct. Yes our main concerns are on the placement of the satellite in the proper orbit (High, Medium, Low). However, there are other issues that is causing some pain. Mr. Sharkey who is the Division Head of the Satellite Launches should be able to give you some concerns that has been keeping him awake at night.

Question 2:

Just to clarify, do I draw up the major processes, organizations involved, process metric, the value stream, etc. based on my own imagination? (I was thinking about shaping my scenario around Elon Musk and SpaceX, as a basis for cost projections, time, etc.)

You will have to make some assumptions on your own, however, Mr. Sharkey should be able to get you some metrics.

Question 3:

The Lightyear scenario mentions something about LSS deployment chart, where can I find it or who can I ask for it?

Mr. Lightyear will provide with Mr. Sharkey giving greater details.

Question 4:

What kind of preliminary data can we have access to?

Mr. Sharkey has the data for cycle times and Error rates. I will forward your request to him.

Question 5:

In the Event description/type, do you want the number of times we worked on the issue or check what we are doing?

If you are talking about the "Revision" Block, this will be the number of times you had to rewrite based on your conversations with the team. It is a way for you to keep track of all the changes.

Question 6:

In the original Scenario, it states that there will be a current LSS Deployment chart provided, can you please advise where I will be able to find that?

Current Deployment Chart will be uploaded to the Bon-Tech Site

Question 7:

Am I correct in the line of thinking that due to time restraints, cost is rather low on the priority scale.

Cost is always a concern. Currently we have approximately 60% of Satellites not hitting the correct orbit. This is costing us approximately \$1 Billion extra since, we have to send up a space shuttle to correct the satellite orbit.

Question 8:

How Many Satellites will be launched and does the Deployment chart show the order, locations and expected travel time per rocket to the desired location?

The current Deployment chart only shows the Lean Six Sigma Events. However, we have an order that came in that we will need to launch 10 satellites by 13 Dec 2015. Locations (High, Medium, Low Orbit) have not been determined as of this date (14 Oct 2015).

Question 9:

Once the satellites are in the correct orbits, are there any lag times for the different satellites to begin operation? (i.e. Does Sat C need to start prior to A, then D and so on)

No Lag Times that are significant. There is approximately a 6 second delay for communications to take place.

Question 10:

Just for clarification, the rocket issues are being resolved, therefore our only concern is the correct placement and order of the satellites, correct?

Correct.