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### How Extensive Should be FEED Endorsement?

**Mojtaba Habibi**

Process Engineer at Wood Group

Top Contributor

Dears,

At this topic I would like to discuss about importance of FEED endorsement during bid or beginning of detail design.

Some questions in this regard:

1. Do we have any standard or common definition that how extensive should be endorsement of FEED documents for a project before starting

the detail stage?

2. Which items to be covered by endorsement?

3. Is there any check list for this activity?

4. When is the right time to do endorsement?

5. Can endorsement report be used as the basis of claim for EPC contractor?

Some thoughts in my mind to be considered for FEED endorsement:

1. Discrepancy between documents

2. Compatibility of documents with project design criteria (especially plant design margin), philosophies (especially mechanical isolation philosophy) and standards

3. Accuracy of the calculations especially pressure profile

4. Any shortage of documents

5. Open issues regarding to design

6. Status of close-out of Hazop recommendations

Let me know your idea and experiences in this regard.

Many thanks for your time.

Best,  
Mojtaba

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2 comments



Wilfredo

**Wilfredo Garcia**

Process Specialist at Ecopetrol

Hi Mojtaba, according to my experience in the wonderful world of oil and gas project developments, please find here below my responses:

First group of questions:

1. There are no standard for this activity, this is agreed during either the EPC tender preparation or the EPC kick off meeting
2. Normally the items covered are the deliverables ones
3. Usually there are not any check list for this
4. The right time is during the first 2 or 3 months of EPC development
5. Well, the EPC contractor is the one doing the EPC endorsement, so I think this is not applicable

For the second set of questions:

1. This is called "consistency" instead, and yes, EPC contractor shall check this topic
2. Anything project design basis deviation shall be included in the report and a clarification request shall be submitted to the client.
3. The hydraulics calculations shall be checked with the final isometrics to make it more accurate, but bare in mind something, during the FEED phase, all the pumps/compressors are almost "purchased", so the hydraulics are completed in order to confirm instrumets data.
4. Focus on deliverables
5. This is the time to close out/clarify open items
6. Hazop recommendations close out is an open activity that shall be closed before the P&IDs IFC

Cheers

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Chinedu

**Chinedu Kalu-Uguru**  
Process and Flow Assurance Engineer

Most times, no need for checklist as all deliverables are to be endorsed. Pay good attention to P&ID's as lots of issues could be apparent. Remember to request for missing information especially if you are aware technical queries will not be answered in time.

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