

# Life Extension For Floating Platforms

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Bureau of Safety and Environmental Enforcement

*Promoting Safety, Protecting the Environment and Conserving Offshore Resources*

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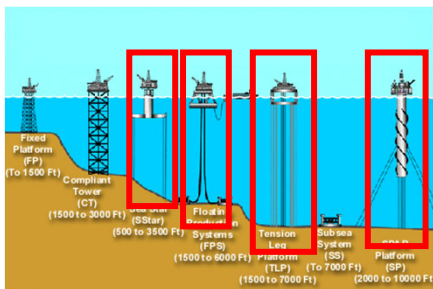
## Outline

- Introduction
- Where is the NTL?
- Acronyms and Definitions
- Background Information
- General Guidance
- Procedure
- Guidance Document Statement
- Conclusion and Contact Information

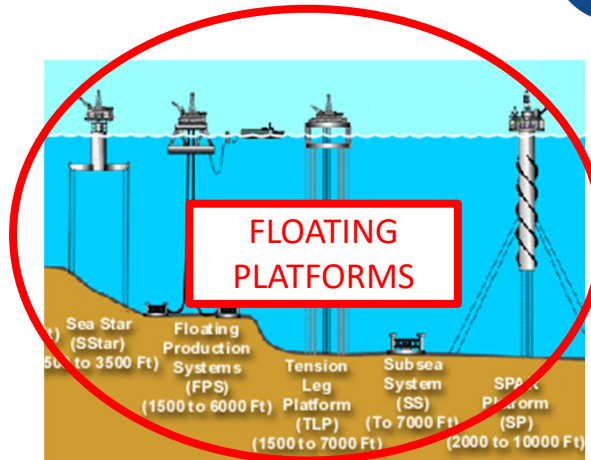


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# Introduction



Images taken from Idelac Controls Inc Website



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# Introduction



- Clarify regulatory requirements
- Provide more detail about life extensions
- Outline the information that must be provided
- Extend life of floating platforms
- Address inquiries from the industry

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# Outline



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- **Where is the NTL?**
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# Where is the NTL?



The image displays two screenshots of the Bureau of Safety and Environmental Enforcement (BSEE) website. The top screenshot shows the main navigation menu with 'Preparedness & Research' highlighted in a red box and a red arrow pointing to it. The bottom screenshot shows the 'Regulations & Standards' sub-menu item highlighted in a red box and a red arrow pointing to it.

[www.bsee.gov](http://www.bsee.gov)

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# Where is the NTL?



**Bureau of Safety and Environmental Enforcement**  
Promoting Safety, Protecting the Environment and Conserving Offshore Resources

Report Incidents | Contact | Careers

About BSEE | Collaboration | Newsroom | Environmental Stewardship | Protection | Preparedness & Research | Offshore Data & Tools | Reporting & P

**Regulations & Standards**

**VFUR 00#R Z 0#**

[Regulatory Reform](#) - In response to the *Deepwater Horizon* explosion and resulting oil spill in the Gulf of Mexico, the government launched the most aggressive and comprehensive reforms to offshore oil and gas regulation and oversight in U.S. history.

**Notices to Lessees and Operators** - Communications with operators and contractors that further clarify regulations.

[Regulations.gov](#) - a U.S. government web site that enables the public to review and submit comments on Federal documents.

[BSEE Federal Regulations](#) - (eCFR)

[BSEE Governing Statutes](#)

[Regulatory Interpretations](#)

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# Where is the NTL?



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**Notice to Lessees (NTLs)**

provide clarification, description, or interpretation of a regulation or OCS standard; provide guideline understanding of the scope and meaning of a regulation by explaining BSEE interpretation of a requirement (ITLs) are also formal documents that provide additional information and clarification, or interpretation of a regulation, OCS standard, or regional requirement, or provide the scope and meaning of a regulation by explaining BSEE interpretation of a requirement.

To view expired NTLs, select a different NTL status and select submit.

Title	Summary	NTL Status	NTL Category
<input type="text"/>	<input type="text"/>	- Any -	- Any -

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# Where is the NTL?



W | sh > EVVH # WO # 357 > #

W khq # ofn # > D s s o | > #

NTL Number	Document	Summary	Status	Category	Effective Date	Posted Date
BSEE NTL 2024-G03	<a href="#">BSEE NTL 2024-G03 - Life Extension (LEx) for Floating Platforms.pdf</a> (264.59 KB)	BSEE NTL 2024-G03 - Life Extension (LEx) for Floating Platforms	Active			Wed, 08/14/2024 - 8:57pm
BSEE NTL 2024-G02	<a href="#">BSEE NTL 2024-G02 - Hurricane Beryl.pdf</a> (350.81 KB)	BSEE NTL 2024-G02 - Hurricane Beryl	Active		Tue, 07/09/2024 - 7:58pm	Tue, 07/09/2024 - 7:56pm
BSEE NTL 2024-G01	<a href="#">BSEE NTL 2024-G01 - Lafayette Address Change.pdf</a> (229.36 KB)	BSEE NTL 2024-G01 - Lafayette Address Change	Active		Wed, 05/01/2024 - 8:56pm	Wed, 05/01/2024 - 8:57pm

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# Acronyms and Definitions



## Acronyms

- BSEE
- CFR
- LEx
- NTL
- OCS
- PVP
- USC

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# Acronyms and Definitions



## Key Terms

- Design Life
- Evaluation
- Fatigue
- Fatigue Life
- Fit-for-Service
- Floating Platform
- Life Extension
- Service Life
- You

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# Background Information



- 30 CFR 250.900 (b)
  - “You must also submit an application under [§ 250.905](#) of this subpart and obtain the approval of the Regional Supervisor before performing any of the activities described in the following table:”
    - 1) Install a platform
    - 2) Major modification to any platform
    - 3) Major repair of damage to any platform
- Do not forget to consult with the United States Coast Guard (USCG)

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# Background Information



- 30 CFR Part 250 Subpart I
- 30 CFR 250.905 (f)
- 30 CFR 250.903
- 30 CFR 250.908
- 30 CFR 250.901
- 30 CFR 250.900 (b)(1)
- 30 CFR 250.900(a)
- 30 CFR 250.909 through 250.918
- 30 CFR 250.910
- 30 CFR part 250, Subpart Q
- 30 CFR 250.900(b)(2)
- 30 CFR 250.900(b)(3)
- 30 CFR part 250, Subpart Q
- 30 CFR 250.103

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# Background Information



- Life Extension (LEx)
- Service Life
- Design Life
- Fatigue Life

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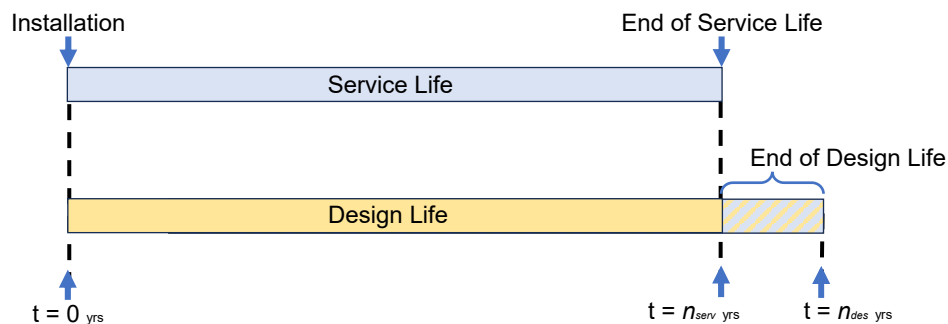
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- Service Life
  - The time period between approved installation and end of service date. (*THEORETICALLY*, the Service Life is equal to or less than the *\*Design Life\**.)
- Design Life
  - The time period derived by determining the useful life of various design characteristics, such as corrosion allowance and *\*fatigue life\**.

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# Background Information



Relationship Between "Service" & "Design" Life

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# Background Information



## Fatigue Life

The calculated fatigue damage before failure, converted into time, based on cyclic loading conditions.

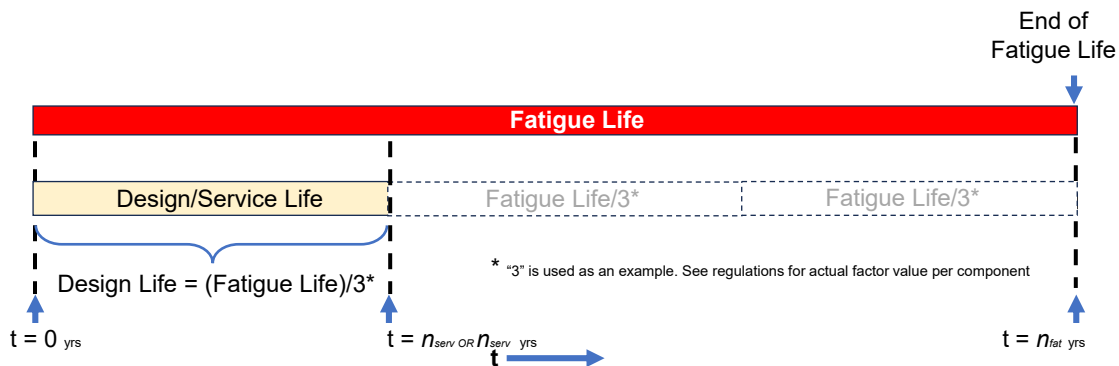
<<< Fatigue Life is the driving factor for Re-Evaluation >>>

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# Background Information



- Relationship Between “Fatigue” & “Design/Service” Life



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# Background Information



1. Operator must document intended Design/Service Life in installation application to obtain approval.
2. Operator must "...maintain... all platforms... to ensure their structural integrity..."
3. If Design/Service Life is exceeded, then the installation application's conditions of approval are no longer valid.
4. Operator MUST re-evaluate platform to "reset" a new intended Design/Service Life

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## General Guidance



- File application for approval
- Document Service Life for Platform
- Continue to use past the Service Life
- Must obtain new approval
- Request Life Extension
- Submit Application no less than 5 years
- Platform Verification Program
- Must decommission in accordance with lease obligations

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# Procedure



## A. LEx Request for Approval

1. Engineering evaluation demonstrating safe operation to service date
2. Application for Major Modification that complies with PVP
  - a. Structural Changes are needed to achieve desired service life extension
  - b. The structural changes qualify as a major modification.

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# Procedure



3. An application for major repair that complies with the PVP if:
    - a. Repairs are needed to achieve the desired service life extension
    - b. The repairs to your platform qualify as a major repair.
- B. Your life extension may be submitted electronically
- C. Decommissioning your floating platform.

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# Procedure



- Operator Submits LEx submittal in TIMSWeb
- If submittal does not involve a Major Repair or Modification, it is a “Re-Evaluation Only”
- If submittal involves a Major Repair or Modification, PVP regulations must be followed
- In a “Re-Evaluation Only”, the operator may have to go through the PVP process, this will be determined on case by case basis.

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# Guidance Document Statement



BSEE Issues NTL's as guidance documents to clarify and provide more detail about certain BSEE regulatory requirements and to outline the information you provide in your various submittals. Under the authority, this NTL sets forth guidance that provides a clear consistent approach to submitting certain requests pursuant to the applicable regulations.

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# Conclusion



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# Contact Information



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# QUESTIONS

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