

Eric Anthony

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SUMMARY

Senior regulatory compliance engineer with 13 years supporting marine and industrial hardware through **product development**, certification, **validation**, and production. Interprets **Marine Classification Society requirements** and converts applicable provisions into product requirements, evidence plans, technical assessments, and certification actions. Builds objective compliance records from drawings, material records, calculations, test results, supplier documentation, and stakeholder input. Partners with **product engineering**, design control, validation, operations, quality, manufacturing, and external classification stakeholders throughout development and release. Applies structured risk management to identify, assess, control, communicate, and close compliance exposure. Improves requirement tracking, evidence ownership, review workflows, and certification readiness while balancing quality, cost, production timing, and regulatory obligations.

EXPERIENCE

Senior Regulatory Compliance Engineer

January 2022 - Present

Lakeview Marine Technologies

Peoria, Illinois

Owns classification compliance strategy for marine power and propulsion hardware. Leads evidence planning, technical reviews, risk decisions, and certification execution across product engineering, design control, validation, operations, and external classification stakeholders.

- Translated **Marine Classification Society rules** into product requirements and certification evidence plans.
- Synthesized drawings, **material records**, tests, calculations, and supplier data into certification packages.
- Maintained compliance **risk assessments** covering product impact, evidence maturity, timing, and production exposure.
- Standardized **requirement tracking**, evidence ownership, review status, and escalation across marine programs.
- Guided engineers through classification questions involving **hardware design**, materials, manufacturing, and validation evidence.
- Connected design changes with traceable **regulatory records** before production release.

Regulatory Compliance Engineer

June 2018 - December 2021

Riverton Engineered Systems

Rockford, Illinois

Managed **certification activities** for **rotating equipment** and marine adjacent hardware from requirements assessment through validation evidence and production readiness. Coordinated technical decisions across design, test, quality, manufacturing, and regulatory stakeholders.

- Evaluated classification requirements against specifications, drawings, **bills of material**, and **test plans**.
- Documented severity, ownership, mitigation, verification method, and closure evidence for open compliance items.
- Coordinated technical responses after certification reviews exposed incomplete or conflicting information.
- Analyzed test and **manufacturing data** to support objective **product conformity** conclusions.
- Linked compliance checkpoints with development milestones, reducing late certification documentation gaps.
- Prepared clear technical records for internal review and external classification assessment.

Product Compliance Engineer

August 2015 - May 2018

Midwest Propulsion Solutions

Moline, Illinois

Supported regulatory and certification work for **hardware products** used in power and mechanical applications. Built requirement matrices, reviewed configuration records, assessed evidence, and raised certification risks early within product development.

- Connected regulatory provisions with **design features**, **verification activities**, owners, and evidence.
- Reviewed materials, manufacturing records, design outputs, and validation results for completeness.
- Compared supplier evidence, **test results**, and engineering criteria during compliance assessments.
- Resolved technical discrepancies with engineering and **operations** teams before formal certification review.
- Raised certification risks early enough for planned validation and **production** activities.
- Maintained configuration aware records that reflected approved hardware and documentation changes.

Product Engineer

June 2013 - July 2015

Great Lakes Mechanical Products

Springfield, Illinois

Designed and supported mechanical **hardware components** for industrial power equipment. Developed practical experience in materials, validation, manufacturing, design reviews, nonconformance investigation, and controlled engineering documentation.

- Prepared **drawings**, specifications, and technical records for controlled hardware configurations.
- Evaluated component test data and production feedback, documenting engineering actions.
- Presented **calculations**, material selections, validation results, and manufacturing considerations during design reviews.
- Investigated nonconforming hardware with quality and operations personnel, documenting **corrective actions**.
- Maintained precise **engineering** records through revisions and production changes.
- Supported manufacturing and **quality** teams with clear inspection and build documentation.

Associate Product Engineer

Riverbend Industrial Components

June 2011 - May 2013

Bloomington, Illinois

Supported mechanical component development under senior engineering supervision. Gathered technical information, updated design records, prepared prototype evaluations, and participated in product release activities.

- Created drawings, specifications, and engineering change records under **design control**.
- Gathered material, dimensional, test, and manufacturing information for engineering evaluations.
- Prepared prototype hardware documentation with laboratory and **operations** teams.
- Compared test observations with engineering acceptance criteria and escalated discrepancies.
- Confirmed approved drawings, specifications, and supporting records before product release.
- Supported senior engineers during structured **hardware design** and review activities.

PROJECTS

Marine Certification Evidence Framework 📅 2026

Created a structured evidence framework connecting classification provisions, product requirements, verification activities, owners, and approval records. Improved visibility across certification decisions and production readiness reviews.

Compliance Risk Review Workflow 📅 2023

Standardized compliance risk reviews across marine product programs, linking exposure, mitigation, verification, ownership, and closure evidence with development milestones.

LEADERSHIP & AWARDS

- Recognized for improving certification evidence tracking across multiple marine product programs.
- Selected to guide engineering teams through complex classification questions and evidence reviews.
- Trusted with senior technical leadership for compliance risk decisions affecting production readiness.

EDUCATION

Bachelor's Degree in Mechanical Engineering

2011

Bradley University GPA: 0

Peoria, Illinois

Coursework: Product design, materials science, engineering analysis, manufacturing processes, validation testing

CERTIFICATIONS

- Certified Reliability Engineer 📅 2019
- Marine Product Certification Training 📅 2020

TECHNICAL SKILLS

- **Marine Classification:** Marine Classification Society requirements, product certification, regulatory provisions
- **Risk Management:** Risk assessment, risk controls, compliance exposure
- **Product Engineering:** Hardware design, component engineering, product development
- **Design Control:** Engineering changes, configuration control, product release
- **Validation Engineering:** Validation testing, verification methods, test plans
- **Technical Records:** Technical assessments, certification packages, regulatory records
- **Data Analysis:** Data gathering, evidence synthesis, conformity analysis
- **Materials Engineering:** Materials evaluation, material records, supplier documentation
- **Manufacturing Quality:** Production compliance, manufacturing controls, nonconformance review
- **Requirements Management:** Requirement matrices, traceability, evidence ownership
- **Engineering Documentation:** Drawings, specifications, calculations, bills of material
- **Compliance Processes:** Certification workflows, review checkpoints, escalation criteria

SKILLS

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|-------------------------|----------------------------|---------------------------|-------------------------------|
| • Regulatory compliance | • Design control | • Technical documentation | • Classification requirements |
| • Product certification | • Product validation | • Hardware development | • Cross functional work |
| • Risk management | • Requirement traceability | • Materials evaluation | • Continuous improvement |
| • Product engineering | • Data analysis | • Production compliance | |

PROFESSIONAL AFFILIATIONS

- Marine engineering and classification compliance professional network participant.
- Reliability engineering community participant focused on product risk and dependable hardware.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST