



FDA eSTAR: What You Must Know

Michelle Lott, RAC

Principal & Founder, leanRAQA



Moving MedTech Forward

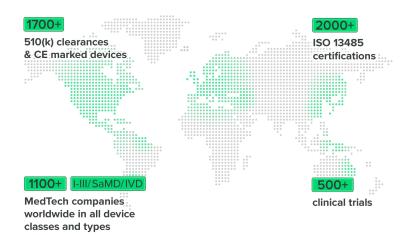








TRUSTED BY LEADING MEDTECH COMPANIES GLOBALLY





"Best QMS I have ever used..."

"User-friendly EDC and esponsive support team"

"This is the easiest eQMS I have used in the 20 years I have been in the Medical Device Industry."

"The whole experience of using Greenlight Guru Clinical is accessible and user-friendly"

"Makes your QMS Simple and Effective"

What is eSTAR?

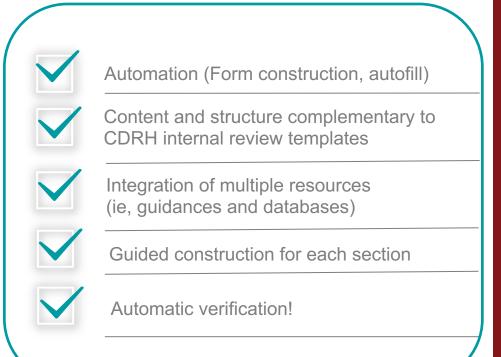




eSTAR Basics

- ► The eSTAR is an interactive PDF form that guides applicants through the process of preparing a comprehensive medical device submission.
- ➤ Software and Operating System
 Required: Adobe Acrobat Pro DC or
 the latest Adobe Acrobat Pro
 Windows versions or Foxit

This template contains:







Advantages for FDA

- ► Facilitate FDA reviews by receiving information in templates complementary to CDRH internal templates and <u>enable more efficient and</u> consistent reviews.
- ► Improve overall productivity, enabling the agency's review staff to put more time and resources into <u>evaluation applications for devices that pose the highest potential risks to patients</u>.
- ► <u>Fulfills MDUFA IV commitment</u> to streamline premarket notification review process, part of FDA's ongoing effort to <u>ensure patients more timely</u> <u>access</u> to safe, effective and high-quality medical devices.





When do I need to pay attention?...Now

► Starting October 1, 2023, all 510(k) submissions (unless exempted) must be submitted as electronic submissions using eSTAR.



<u>Pre-Submissions, De Novo, and PMAs</u> submitted using eSTAR <u>remain voluntary</u> until further notice.





Why do I need to pay attention...Now

► Starting Feb 4, 2024, only version 5 of the template will be available (older versions retired)

Note: This link actually downloads v5.1

Current eSTAR Versions1:

	eSTAR PDF Template ¹ (you <i>MUST</i> right-click and download)	This eSTAR template may be used to submit to CDRH:
	Updated Version: Non-In Vitro Diagnostic eSTAR Version 5	510(k), De Novo, and PMA ⁴ : medical device submissions for Non-In Vitro Diagnostic devices
	This eSTAR version will be retired on February 4, 2024: Non-In Vitro Diagnostic eSTAR Version 4	510(k) and De Novo medical device submissions for Non-In Vitro Diagnostic devices
	Updated Version: In Vitro Diagnostic eSTAR Version 5	510(k), De Novo, and PMA medical device submissions for In Vitro Diagnostic devices
	This eSTAR version will be retired on February 4, 2024: In Vitro Diagnostics eSTAR Version 4	510(k) and De Novo medical device submissions for In Vitro Diagnostic devices
	Early Submission Requests eSTAR (PreSTAR) Beta Version	Pre-Submissions (a type of Q-Submission) for Non-In Vitro and In Vitro Diagnostic devices. ³





Version 5 Updates

- ► Version 5 was released on December 6, 2023 and included some significant changes:
 - Increased cybersecurity details
 - Biocompatibility improvements
 - Clinical Investigation updates



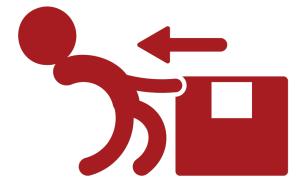








Changing Strategy to Documentation Review



Prior to eSTAR

FDA would pull the documentation out of manufacturers with additional requests through the RTA and review processes.



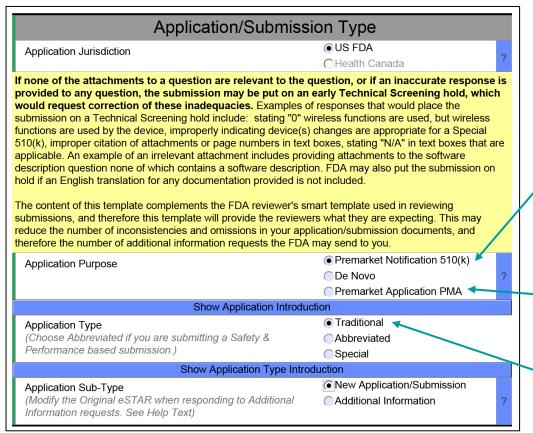
With eSTAR

Manufacturers are expected to provide all relevant information in the eSTAR template





Interactive Dynamic Format



Selecting Application Purpose unlocks other applicable sections to be completed

PMA functionality added in version 5 on 6 Dec 2023!

Selecting Application Type further refines the application



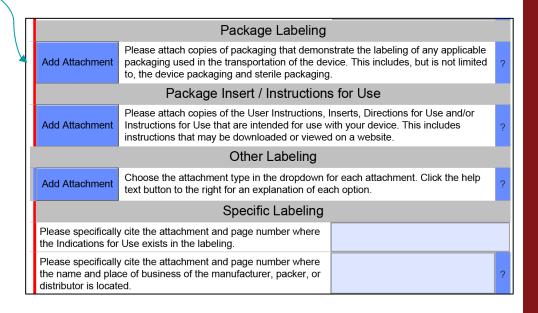


Recommendations for Streamlining Attachments

► Consider combining attachments so only one attachment is provided to each question in eSTAR.



- ► Bookmarks or Table of Contents recommended.
- ► Use smart naming conventions to facilitate finding attachments
 - Sequential numbering
 - Title that matches attachment description in eSTAR
 - Acceptable attachment formats:
 PDF, Word, Excel, MP3, MP4 ...



michelle@leanraga.com 11





Review all questions...carefully!

▶ Device Description included in template and in Attachment

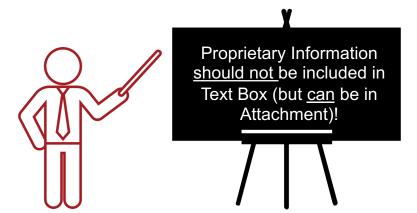
ONLY ENTER NONCONFIDENTIAL INFORMATION IN THE DEVICE DESCRIPTION SUMMARY TEXTBOX BELOW. CONFIDENTIAL INFORMATION CAN BE INCLUDED IN THE ATTACHMENT(S).

Device Description Text Box

Add Attachment

Comprehensive Device Description and Principles of Operation Documentation

Device Description Attachment







eSTAR vs. normal 510(k)

- ► Additional traceability information related to guidance(s) used
- ► Each section has a template to fill in applicable guidance(s)

Guidance and Special Controls Adherence

In the text box below, please address or provide information demonstrating compliance with any applicable special controls, requirements in a device specific classification regulation, or adherence to device specific guidance recommendations for the Device Description. For each specific special control, regulation, or guidance recommendation applicable to your device: Please list the special control, regulation, or recommendation and cite the attachment(s) and page number(s) where it was addressed. Please use the primary product code you will provide in the Classification section below to determine whether a device specific guidance exists for your device. Type "N/A" if no device specific guidance, regulation, or special controls exist for your device type. If you type "N/A," and special controls, a regulation, or a device specific guidance exists that requests information covered by this review section, the time-line for review of your file may be affected.

If you choose to use an alternative approach in comparison to what is stated in the applicable guidance or special controls, please provide a rationale for this alternative approach below.





eSTAR vs. normal 510(k)

► Ensure to attach all FDA Correspondence directly into the eSTAR application, such as:

- -513(g)s
- Pre-submissions
- NSE or Withdrawals
- FUAs



Please provide the submission number(s) of prior related submission(s) as defined Add Submission above, regardless of outcome. If none, type "N/A." Submission Number Please upload copies of prior regulatory feedback (e.g., letter, meeting minutes, submission feedback) regarding this device and/or data and/or information to support Add Attachment this submission. Please specify the location in the current submission where additional information requests in prior submissions were addressed, or provide a rationale for not responding to those additional information requests.

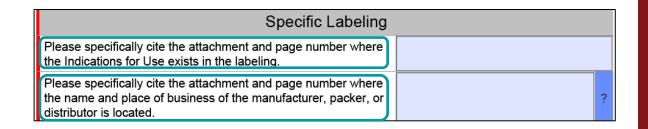
michelle@leanraga.com

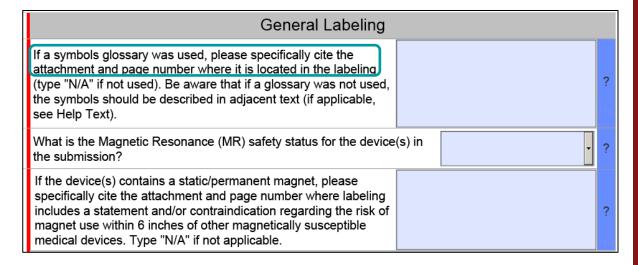




eSTAR vs. normal 510(k)

- ► Requirement in eSTAR template:
 - Attachment and page #s where critical info is located





michelle@leanraqa.com 15





Some Sections are Different...

- ►eSTAR template incorporates some forms, which no longer need to be filled out separately.
 - Form 3514 (submission cover sheet)
 - Form 3881 (indications for use)
- ▶eSTAR template has also excluded some previously-required forms:
 - Included in FDA Guidance: Format for Traditional and Abbreviated 510(k)s
 (September 2019) as Required Sections

FDA Guidance (September 2019) - Required Sections	In eSTAR template
Class III Summary Statement	Not Included
Financial Disclosure	Not Included*
Declaration Summary Reports	Separate Reports no longer required to upload. These are now generated for you!

SWOT Analysis





S.W.O.T. Analysis







Strengths



► No Refuse to Accept (RTA) review due to the use of automatic verification

In theory, this could mean faster substantive interaction...but some have said they've **seen no difference**

One eSTAR review took **TWO WEEKS**, no faster than RTA review



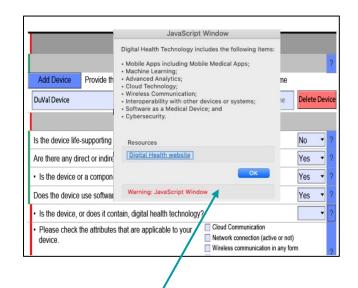


Strengths

- ► Aligns with FDA internal review templates
- ► Integration of guidance expectations



Error message pops up if responses do not make sense

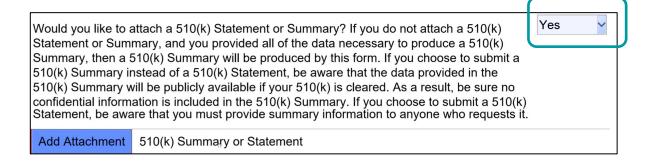


Blue question marks link to helpful pop ups





▶ Option to automate the 510(k) Summary creation

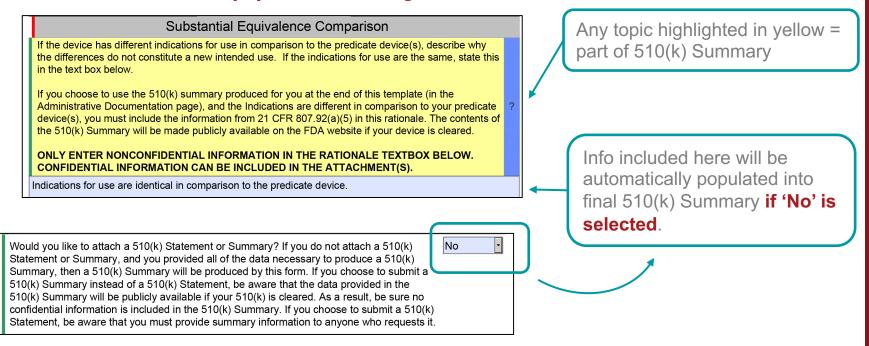








Automatic 510(k) Summary Generation



► Tip: Do not include any proprietary information in text boxes for yellow prompts!

michelle@leanraqa.com 22





Automatic 510(k) Summary: Example

► Naviswiss Knee (K223351)

K223351 alignment axes to aid in the positioning of orthopedic implant system components where a reference to a rigid anatomical structure can be identified. The system aids the surgeon in performing intra-operative measurements of femoral and tibial alignment axes to assist in 510(k) Summary Prepared on: 2023-01-31 executing the distal femoral and proximal tibial resections. The equipment is intended for use by trained surgeons in operating theaters. Contact Details 21 CFR 807.92(a)(1) Indications for Use Comparison Applicant Name Naviewice AG 21 CFR 807.92(a)(5) Applicant Address Stahlrain 2 Brugg 5200 Switzerland The indications for use are similar in comparison to the primary predicate. +41617618537 Applicant Contact Telephone Applicant Contact Mr. Domenico Rome Technological Comparison 21 CFR 807.92(a)(6) Applicant Contact Email domenico.romeo@naviswiss.eu The Naviswiss Knee is using the same principle of operation compared to the primary predicate and the reference device; using imageconfinis AG Correspondent Name free surgical navigation with a camera and either NAVItags for the Naviswiss devices or Bone Tracker for the reference device. The accuracy of measurement is as accuracte as the primary predicate Naviswiss Hip. Correspondent Address Hauptstrasse 16 Dudingen 3186 Switzerland The possibility of a connection to an external monitor via a Wifi module to display the same information as on the navigation unit has been introduced to the Naviswiss Knee. In addition, a tablet can now be used with the Naviswiss Knee to display the same information as Correspondent Contact Telephone +4915201892430 on the navigation unit. Correspondent Contact Mrs. Frederike Bruhschwein-Mandic Non-Clinical and/or Clinical Tests Summary & Conclusions 21 CFR 807.92(b) Correspondent Contact Email frederike.bruehschwein@confinis.com Benchtop Accuracy Device Name 21 CFR 807.92(a)(2) The Naviswiss Knee's accuracy was verified using calibrated test fixtures. All requirements were met. Device Trade Name Naviewice Knoc Common Name Orthopedic stereotaxic instrument Anatomical Phantom Simulated Use and Clinical Accuracy Classification Name Stereotaxic instrument Simulated use testing was performed on a metallic bone simulator by orthopedic surgeons in THA procedures following a typical workflow. The test validated that the Naviswiss Knee Navigation System satisfies user needs. 882.4560 Regulation Number intended use, and clinical accuracy requirements. This was assessed by comparing the measurements obtained in the simulated use with Product Code OLO known values Legally Marketed Predicate Devices 21 CFR 807.92(a)(3) Cadaver Simulated Use Predicate Trade Name (Primary Predicate is listed first) Product Code Predicate # Simulated use testing was performed in multiple cadaver wet labs to validate the Naviswiss Knee K193094 Naviswiss Hip OLO Navigation System satisfies clinical use requirements and performed as intended on human specimans when used in an OR environment by trained surgeons. K191507 Intellijoint Navigation System OLO Device Description Summary 21 CFR 807.92(a)(4) Clinical Testing The Naviswiss Knee is a surgical navigation system which assists the orthopaedic surgeon during the implantation of an artificial knee Not Applicable. joint. It consists of a navigation unit which is first used to register the patient's anatomy. Subsequently the navigation system support the surgeon in guiding the surgical instruments with the goal to position the implant according to the pre-operative planning. The navigation unit includes an infrared stereo camera which measures the position and orientation of small NAVItags. Intended Use/Indications for Use The testing demonstrated that the Naviswiss Knee is substantially equivalent to the legally marketed predicate devices for its intended The Naviswiss Knee Navigation System is a computer-controlled system intended to assist the surgeon in determining reference

May include some info the manufacturer may not typically provide to the public

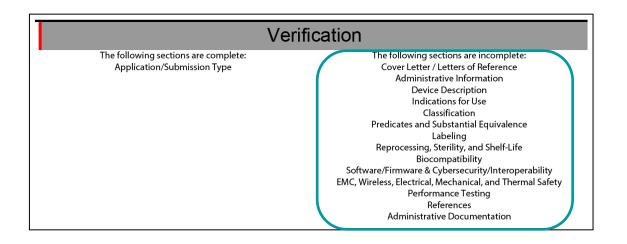
Format is more standardized **but** can be clunky

Easy to tell this is generated straight from eSTAR – same format as template





► Automated completeness verification

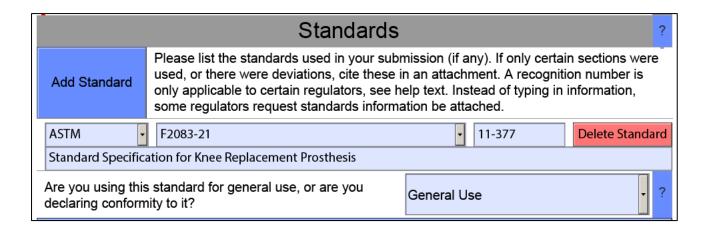


► Tip: Always make sure all sections are flagged green (not red) to confirm completeness





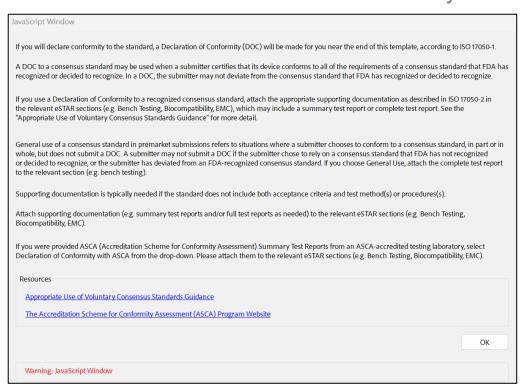
- ► No more messing with Standards Forms
 - Auto-populates FDA recognition number AND title







► Standards: General Use v Declaration of Conformity







► Automatically generate applicable guidance documents based on **Product Code**

Classification Add a primary product code and any associated product codes below. You may type in the primary product code directly (only the product code field is required) or you may filter down by choosing first a medical specialty, regulation, then product code. If a device specific guidance is available for the product code, the guidance name and web link will be displayed. Use the Product Classification Website resource in the help text to obtain information about your product code and check the regulation text for any special controls that need to be considered (e.g., PAE and 21 CFR 890.3450). Medical Specialty General Hospital & Personal Use Regulation 880.5725 - Infusion pump Product Code FRN (Class 2) - Pump, Infusion



The primary product code of your device indicates a device specific guidance document is available to aid you in preparing a comprehensive submission. The document entitled "Infusion Pumps Total Product Life Cycle - Guidance for Industry and FDA Staff" is available at the link below. If you have any questions about applicability of this guidance, please contact the CDRH review Office.

https://www.fda.gov/regulatory-information/search-fda-quidance-documents/infusion-pumps-total-productlife-cycle

Associated Product Code(s)

Caution! Don't rely on this feature to fulfill all requirements. eSTAR templates only recommend Final Guidances that are broadly applicable.

Does not include:

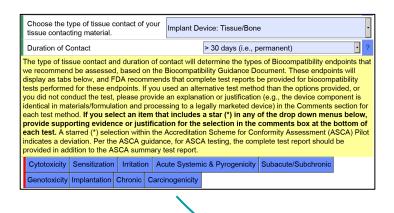
- **Draft Guidance documents**
- Highly specific guidances for a specific product or technological feature

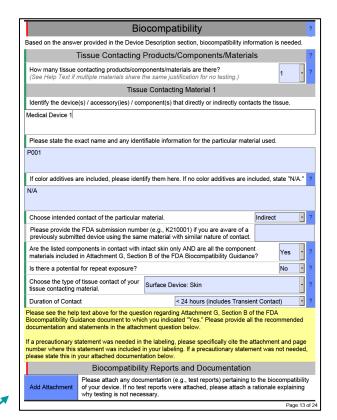




▶ Biocompatibility Template Improvements

 Older versions of template required the user to click through individual tabs per test (regardless if unnecessary)





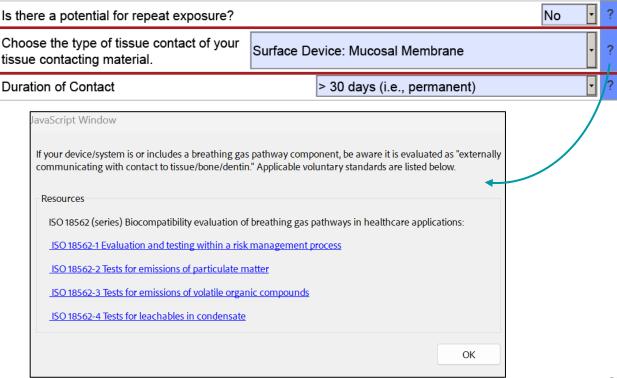
michelle@leanraqa.com





▶ Biocompatibility Template Improvements

When selecting type of tissue contact, FDA provides specific help text and recommendations based on selection

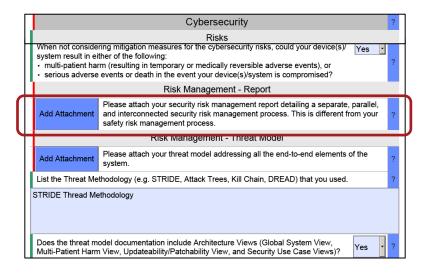


michelle@leanraqa.com

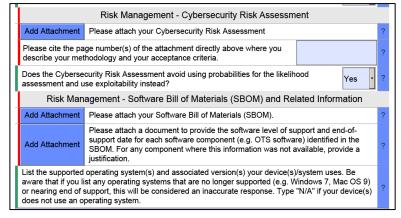




- ► High Level of Detail required to support Cybersecurity
 - Hint: It's all about risk!



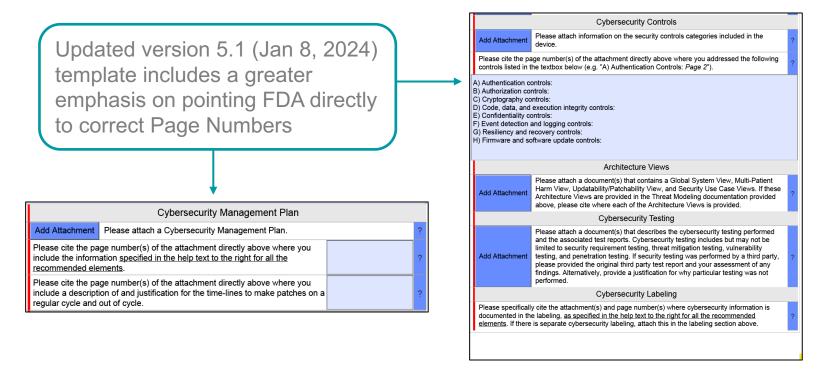
Caution! Cybersecurity requirements in eSTAR template are very specific – ensure to read carefully to include the right risk process documents







► High Level of Detail required to support Cybersecurity

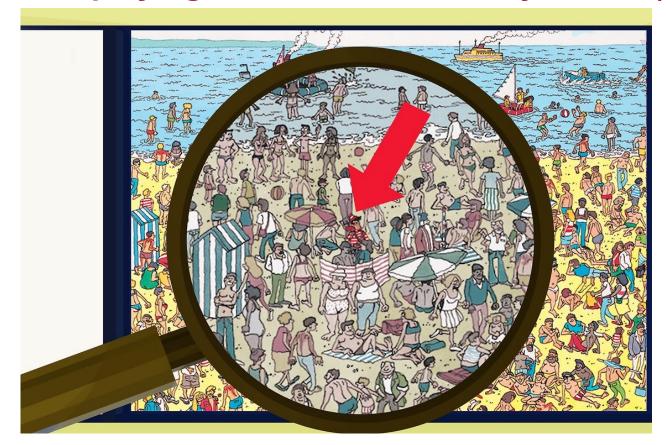


michelle@leanraqa.com





FDA is not playing Where's Waldo with your 510(k)...

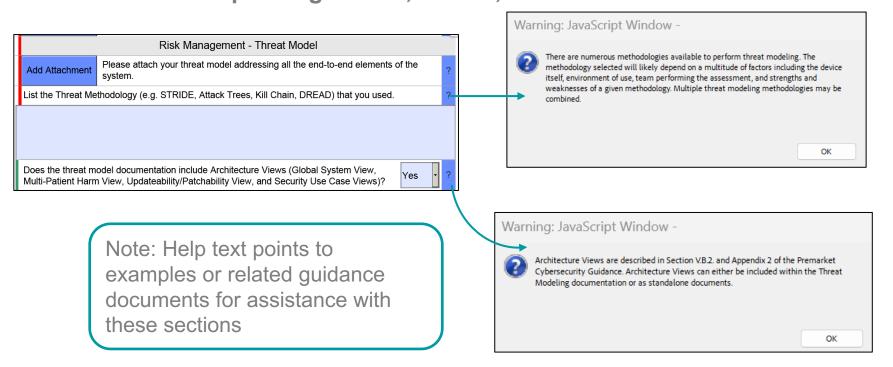






Secrets to Success: Cybersecurity

▶FDA is now requesting details, details, details



michelle@leanraqa.com 33





Secrets to Success: Cybersecurity

► Don't forget to use the new FDA Guidance (Sep 2023) as a guide

Cybersecurity in Medical Devices: Quality System Considerations and Content of Premarket Submissions

Guidance for Industry and Food and Drug Administration Staff

Document issued on September 27, 2023.

The draft of this document was issued on April 8, 2022.

This document supersedes "Content of Premarket Submissions for Management of Cybersecurity in Medical Devices," issued October 2, 2014.

For questions about this document regarding CDRH-regulated devices, contact <u>Cyber/Med@ida.hhs.gov</u>. For questions about this document regarding CBER-regulated devices, contact the Office of Communication, Outreach, and Development (OCOD) at 1-800-835-4709 or 240-402-8010, or by email at cood@ida.hhs.gov.



U.S. Department of Health and Human Services Food and Drug Administration Center for Devices and Radiological Health Center for Biologics Evaluation and Research

Table 1. Recommended Premarket Submission Documentation

Type of Premarket Submission Documentation	Guidance Section(s)	IDE Submission*
Cybersecurity Risk Management Report	Sections V., VI.B.	Could be helpful to submit, but not specifically recommended
- Threat Model (may include Architecture Views)	Sections V.A.1., V.A.3., V.A.4., V.A.5., V.B.2., Appendix 1, Appendix 2	Could be helpful to submit, but not specifically recommended (see Architecture View recommendations)
- Cybersecurity Risk Assessment - SBOM	Sections V.A.2., V.A.3., V.A.4., V.A.5., V.A.6. Sections V.A.4., VI.A.	Could be helpful to submit, but not specifically recommended Recommended
 Vulnerability Assessment and Software Support 	Section V.A.4.	Could be helpful to submit, but not specifically recommended
- Unresolved Anomalies Assessment	Section V.A.5.	Could be helpful to submit, but not specifically recommended
- Traceability	Sections V.A., V.A.1., V.A.2., V.A.3., V.A.4., V.A.5, V.A.6., V.B.1., V.B.2., V.C., VI.A.	Could be helpful to submit, but not specifically recommended

Many recommendations align exactly with eSTAR template

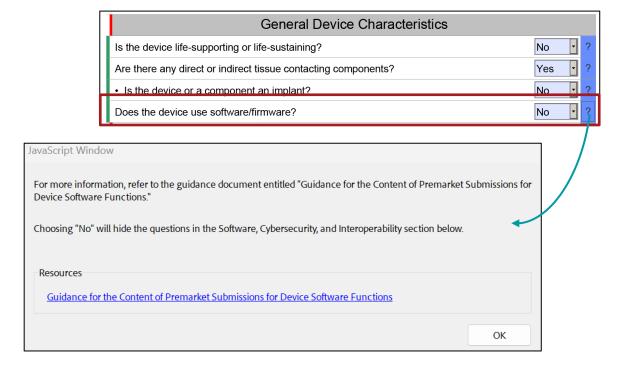




More Rev 5 Updates: Prevent Missing Sections

▶ Cross-Section Change Reminders

►When selecting 'No' for certain questions, the help pop-up will clarify if that means certain sections will not be available for you.



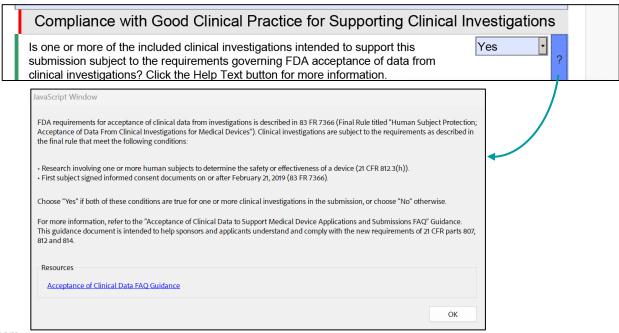




More Rev 5 Updates

► Clinical Data Updates – for 510(k)

 Ensure clinical investigations supporting submission are disclosed (Help Pop-Up is informative for selection)



michelle@leanraga.com





More Rev 5 Updates

► Clinical Data Updates – for PMA/De Novo

- Significantly more data related to clinical investigations required. Ensure clinical

investigations follow 21 CFR 812.

General Clinical Information	
Please specifically cite the attachment(s) and page number(s) where the following information is located. Type "N/A" if not applicable.	
Summary of the clinical investigation(s) and results	
Final versions of the clinical protocols (If performed under IDE, these should be the final FDA-approved versions of the clinical protocols, incorporating any Notices of Changes.)	
Description of study population demographics	
Description of adverse events (e.g., adverse reactions, complaints, discontinuations, failures, replacements)	
Report forms for patients who died or who did not complete the investigation (i.e., to resolve potential bias). State "N/A" only if no patients died or were discontinued.	
Statistical analyses of the clinical investigations	

Results of all analyses identified in the protocol	
Sample size/number of patients enrolled and completing the study (i.e., the number of evaluable patients at the primary endpoint time frame)	
Follow-up duration for the primary analysis	
Follow-up evaluations for the primary analysis	
Study Objectives	
Study Population/Enrollment Criteria	
Study Endpoints	
Study Design	
Hypothesis	
Effectiveness Statistical Analysis	
Safety Statistical Analysis	
Dataline listings stratified by site, then subject.	
Patient/study population match the intended use discussion	
Have clinically significant endpoints been selected explanation	
If the primary study is based on foreign clinical data, provide a justification with respect to how the data are applicable to the U.S. patient population (e.g., are the population and medical practices comparable to those in the U.S., or if not, provide a justification for why any differences would not impact the applicability of the study results to the U.S. patient population [21 CFR 814.15(a) and 814.15(b)]).	



Weaknesses

▶ Be aware of:

- File Size: Processing of the submission may be delayed if the eSTAR PDF exceeds 4 GB in size or 1GB per any one file type.
- File Versions: Make sure to use current version of eSTAR template for complete required content.
- Export/ Import: eSTAR does have an export and import feature if you get caught between versions. However, it will not export and import attachments.
- Using the most updated versions of applications: There is a JavaScript bug in certain Adobe Acrobat Pro applications that causes dynamic PDFs like eSTAR, to run slower than normal.

Directly from the FDA website: This slowness bug is not present in FoxIt PDF Reader, any version of Adobe Acrobat Pro 2017, and for at least some, but not all, users of Adobe Acrobat Pro DC and the latest Adobe Acrobat Pro Windows versions. We are working with Adobe to help them resolve this bug.







Weaknesses

▶ Process is still being worked out...

FDA Issues Minor Updates to Final Guidance for Electronic Submissions Template for Medical Devices 510(k) Submissions

Today, the U.S. Food and Drug Administration (FDA) issued minor updates to the final guidance: *Electronic Submissions Template for Medical Devices 510(k) Submissions*. The updates are to support the use of the Electronic Submission Template and Resource (eSTAR) through the CDRH Portal. As of October 1, 2023, all 510(k) submissions, unless exempted, must be submitted as electronic submissions using eSTAR.

Use of <u>eSTAR</u> for all 510(k) submissions is part of the FDA's ongoing efforts to modernize the 510(k) Program, and implement MDUFA V and 745A(b) of the Federal Food, Drug, and Cosmetic Act

Read More

This final guidance provides the following minor updates:

- Withdrawal requests, which have previously been submitted via email continue to be exempt from electronic submission requirements.
- While use of eSTAR will be required starting on October 1, 2023, there are currently known technical reasons that preclude electronic submission via the CDRH Portal and impacted submissions will need to be mailed to the CDRH Document Control Center.







Weaknesses, cont.

▶ Complications with signatures

- Truthful and Accuracy statement must be signed by official correspondent editing the file
 - Options for workarounds: digital signature from client/manufacturer
 - This is a concern for working with consultants
- Official correspondent must finalize all signatures
 - Multiple signatures can be difficult

► In practice, file collaboration likely must occur outside of eSTAR template

- eSTAR does not track changes
- File sharing of the eSTAR template can be difficult
- If you rely on iterative editing or editing with multiple people (from the manufacturer and/or consultants), using solely the eSTAR template can be complex and difficult





Weaknesses, Cont.

▶ Limited Text Sections

- Limited space for viewing; scrolling required.
- No formatting supported
- Content is used to populate automatic 510(k) summary (if used)
 - DO NOT include confidential information in text boxes

Please provide a Device Description Summary below, and ensure it includes an explanation of how the device functions, the scientific concepts that form the basis for the device, and the significant physical and performance characteristics of the device, such as device design, material used, and physical properties. If you choose to use the 510(k) summary produced for you at the end of this template (in the Administrative Documentation page), you must provide this device description information in the textbox below, in accordance with 21 CFR 807.92(a)(4). The contents of the 510(k) Summary will be made publicly available on the FDA website if your device is cleared. ONLY ENTER NONCONFIDENTIAL INFORMATION IN THE DEVICE DESCRIPTION SUMMARY TEXTBOX BELOW. CONFIDENTIAL INFORMATION CAN BE INCLUDED IN THE ATTACHMENT(S). EXAMPLE DESCRIPTION TEXT LINE TWO LINE THREE

Size of text boxes does not change with the amount of text added. You must scroll to get to the top/bottom of a text section





Opportunities

► What does this mean for the future of the 510(k)?

- Global harmonization initiatives
- Standardization with other submissions (similar to HealthCanada)
- What does the harmonization plan look like beyond this eSTAR? Classification, etc.

▶ Continued expansion to other submission types

- De novo released in October 2023
- Pre-submissions released on June 9, 2023
- PMA capability released on December 6, 2023
- Other Q-submissions and 513(g)s to come





Threats

- ► Template crashes
- ► Someone in your organization made a change
- ► Wasted time too much time in front of your computer waiting for program to cooperate
- ► Template revision changes
- ► Threats may be mostly to your mental health!







eSTAR S.W.O.T. Analysis Summary



STRENGTHS

- No RTA review
- Alignment with FDA templates
- Guidance doc integration
- Automation of 510(k) summary
- Completion verification
- No more standard forms



WEAKNESSES

- Challenges with file size, count and versions
- Bugs in the software app
- Signatures
- No file collaboration within eSTAR
- Limited text sections



OPPORTUNITIES

- Streamlined 510(k) – global harmonization initiatives, standardization
- Expansion to other submission types



THREATS

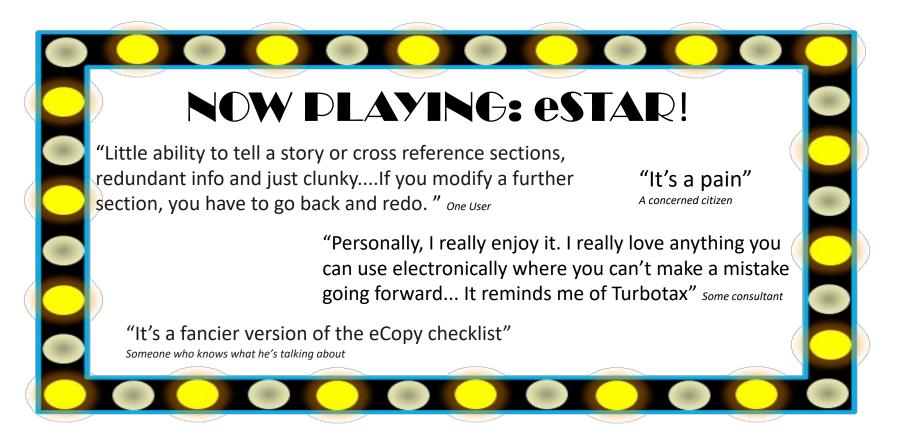
- Template crashes
- Wasted time
- Minor template revision changes
- Mental health

Real World Reviews





The Reviews Are In







This is new to everyone

- ▶ Even to the FDA...
 - There may be a learning curve regarding where information is located
 - User interface on the FDA end is different
- ► Currently there are no FDA-specific trainings available on CDRH Learn Portal.
- ►In the meantime, review FAQs available on the website.
- ► Another Helpful eSTAR Training:
 - RIMSYS: eSTAR submissions



Optimizing the Process



Steps to Success

1. Download CURRENT eSTAR form from FDA

- 2. Populate required sections
- Note color coordination:

RED = Required, not yet complete

GREEN = Required or optional; complete

GREY = Optional; not yet complete

4. Submit when STATUS reads **eSTAR COMPLETE**

FDΑ

electronic Submission Template And Resource (eSTAR)

For non-In Vitro Diagnostic Medical Devices

Version 5.1 (2024-01-08)

STATUS: eSTAR INCOMPLETE
This eSTAR is incomplete, and will be treated as an improperly prepared eCopy and not reviewed. You will be notified by a standard eCopy Hold email.

Introduction

This template is intended for use in both constructing a non-in vitro diagnostic medical device premarket application/ submission, and in being a resource of non-in vitro medical device premarket regulations. It contains regulatory information pulled from both International Medical Device Regulators Forum (IMDRF) documents, as well as regulatory documents (e.g. quidance documents).

This template is only used for constructing, not submitting, your application or submission. Directions at the end of the template provide instructions on how to submit it.

Key

A Red Bar indicates the associated required question, or a required question in that section, wasn't answered.

A Green Bar indicates the associated required question, or all required questions in that section, was answered.

A Grey Bar indicates the associated question is optional. Green and Grey Bars act as left borders when present.

Plue Help Text Buttons when clicked display regulatory information pertaining to the question or section heading they immediately follow. Assistive Technology (AT) users including text to speech, will hear "Help Text Button." If activated, the help text windows will open, and can be closed by tabbing to the OK key and pressing return.

Hover Text Hover text displays information about your application, such as the date an attachment was attached, or, if the section corresponds to an MDRF harmonized section, the hover text will display the chapter number of the MDRF Table of Contents. We recommend numbering attachments according to the IMDRF chapter numbers.





electronic Submission Template And Resource (eSTAR)

For non-In Vitro Diagnostic Medical Devices

Version 5.1 (2024-01-08)

STATUS: eSTAR COMPLETE

Introduction

This template is intended for use in both constructing a non-in vitro diagnostic medical device premarket application/

michelle@leanraga.com



Secrets to Success

- ► Use the most recent template version
- ▶ Recommend preparing Word documents for team collaboration then enter in eSTAR when complete
- ► Utilize instructional and help text where applicable
- ► Use smart naming conventions to facilitate finding attachments
 - Sequential numbering
 - Title that matches attachment description in eSTAR
 - Acceptable attachment formats: PDF, Word, Excel
- ► Do not include confidential information in text boxes
- ► Save the template after every change (every attachment, every text addition, etc.) to prevent preliminary crashing!!

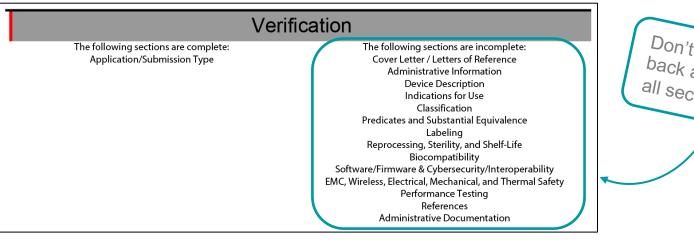






Before you submit

► Use 'Verification' section at end of template to see what is missing



Don't forget to go back and complete all sections!

► Ensure status is present: <u>STATUS: eSTAR COMPLETE</u>





Send it electronically

► Submit your eSTAR application online

Online: eSTAR submissions can be uploaded to CDRH Customer Collaboration Portal (CDRH CCP) Portal)

Requirements:

- Signed cover letter attachment within eSTAR template
- eSTAR template with all files
- Upload to CCP and press send



FDA Issues Minor Updates to Final Guidance for **Electronic Submissions Template for Medical** Devices 510(k) Submissions Today, the U.S. Food and Drug Administration (FDA) issued minor updates to the final guidance: Electronic Submissions Template for Medical Devices \$10(k) Submissions. The updates

are to support the use of the Electronic Submission Template and Resource (eSTAR) through the CDRH Portal. As of October 1, 2023, all 510(k) submissions, unless exempted, must be submitted as electronic submissions using eSTAR.

Use of $\underline{\text{gSTAR}}$ for all 510(k) submissions is part of the FDA's ongoing efforts to modernize the 510(k) Program, and implement MDUFA V and 745A(b) of the Federal Food, Drug, and

Read More

This final guidance provides the following minor updates

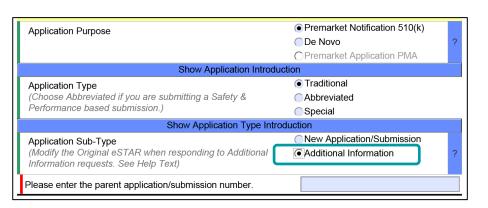
- Withdrawal requests, which have previously been submitted via email continue to be
- While use of eSTAR will be required starting on October 1, 2023, there are currently known technical reasons that preclude electronic submission via the CDRH Portal and mpacted submissions will need to be mailed to the CDRH Document Control Center





What about Requests for Additional Information?

- ▶ Option 1: Continue to submit responses to additional information (AI) requests in an eCopy format.
- ▶ Option 2: Use the eSTAR templates to respond to requests for additional information with "additional information" as the submission type.
 - The deficiency is copied into one field and response provided in another field (text box). New attachments are then included in the relevant section of the eSTAR template itself.



Note: Text boxes in the template may not be sufficient for providing lengthy explanations that require tables, figures, or formatting to keep the response clear and organized.





Related Links

- ► FDA <u>eSTAR program current templates</u>
- ► FDA Guidance, <u>Cybersecurity in Medical Devices: Quality System</u>

 <u>Considerations and Content of Premarket Submissions</u>, September 27,
 2023
- ► FDA Guidance <u>Electronic Submission Template for Medical Device</u> <u>510(k) Submissions</u>, September 22, 2022
- ► FDA Guidance *Format for Traditional and Abbreviated 510(k)s*, September 13, 2019
- ► FDA Guidance *The Special 510(k) Program*, September 13, 2019
- ►FDA Guidance *The Abbreviated 510(k) Program*, September 13, 2019

Free download

- Regulatory Pathway Assessment (RPA)
- Business Market Assessment (BMA)



leanraqa.com/free-guides



Questions?



Your regulatory strategy



Your regulatory submissions



Your quality systems and compliance



Your audit management



Your due diligence



Your technical support



Your grief counseling



lean RAQA
Michelle Lott, RAC
michelle@leanRAQA.com
520.275.9838

companiesindustrieslargemedical devicemid-sizedcosmeticssmallfoodstartupdietary supplements