

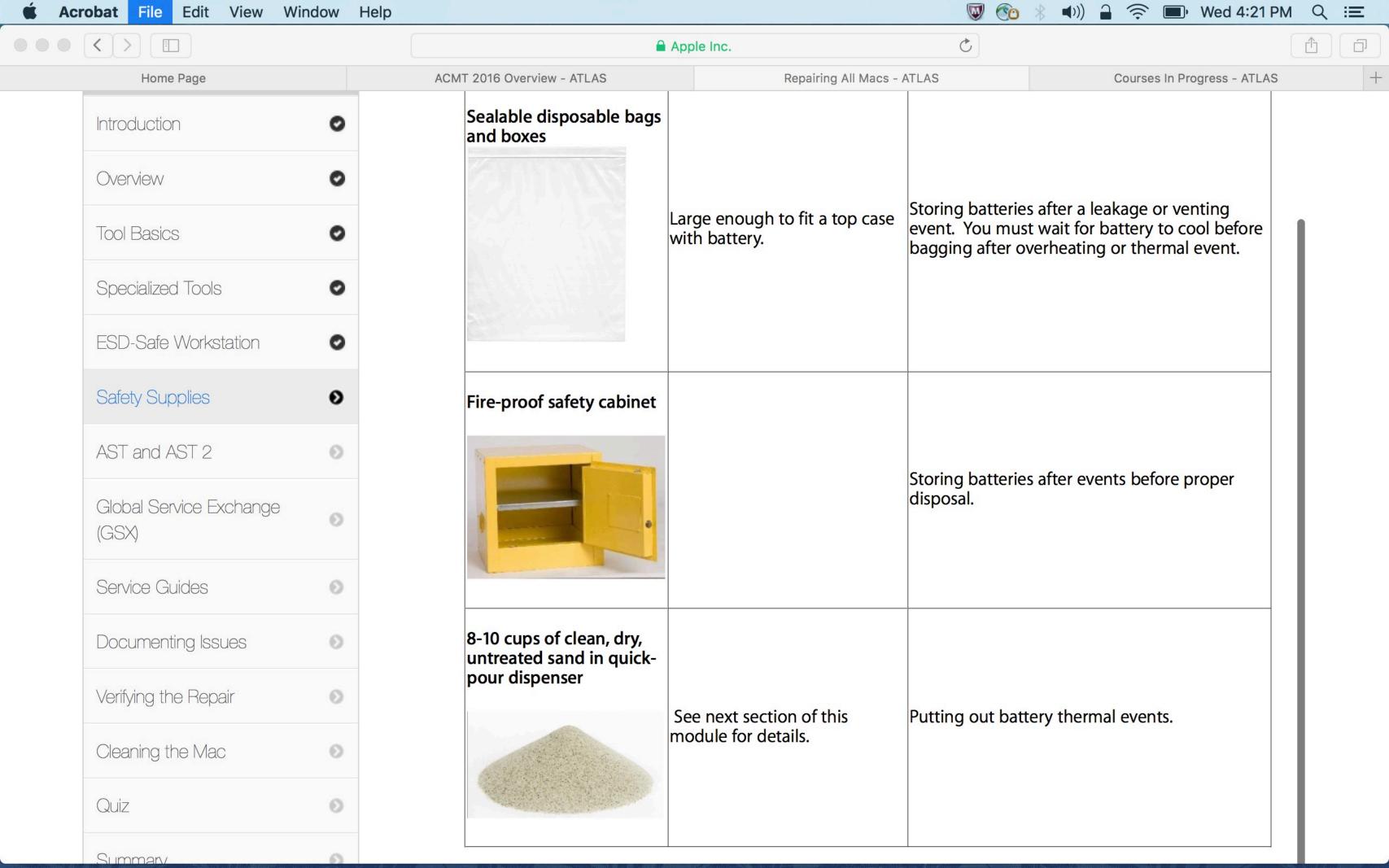


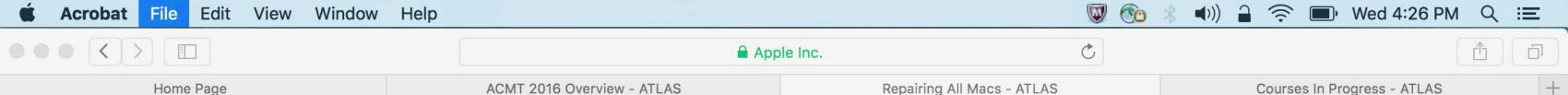
Progress:

Repairing All Macs	
Introduction	0
Overview	0
Tool Basics	0
Specialized Tools	0
ESD-Safe Workstation	0
Safety Supplies	0
AST and AST 2	0

Personal Protective Equipment

Tool	Notes	Use
Nitrile (or equivalent) gloves	The primary reason people choose nitrile as an alternative to latex is because many people suffer from latex allergies.	Handling Thermal Grease, cleanup after battery events, etc.
Heat-resistant gloves		
	Should be used to handle hot objects, not objects that are on fire, or producing sparks.	Handling hot objects.







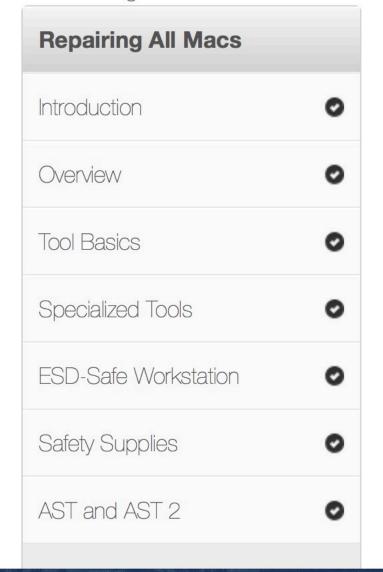
ATLAS Apple Technical Learning Administration System

Emily Nahmanson

Repairing All Macs



Progress:



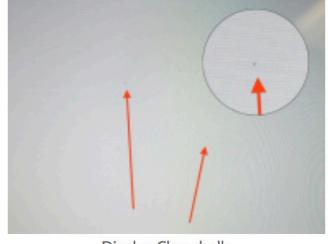
Repairing all Macs

Global Service Exchange (GSX)

Visual Mechanical Inspection Guides

The Visual/Mechanical Inspection (VMI) will help you to determine whether a user's described issue was caused by a defect in materials and workmanship or by accidental damage, and to use that information to determine which service type to use. Defects in materials and workmanship are eligible for service under Apple's Limited Warranty or applicable consumer law. Some forms of damage may be eligible for service under an AppleCare Protection Plan (APP) or for out-of-warranty service at a cost to the user.

For Mac Portables the following subject areas are currently covered:



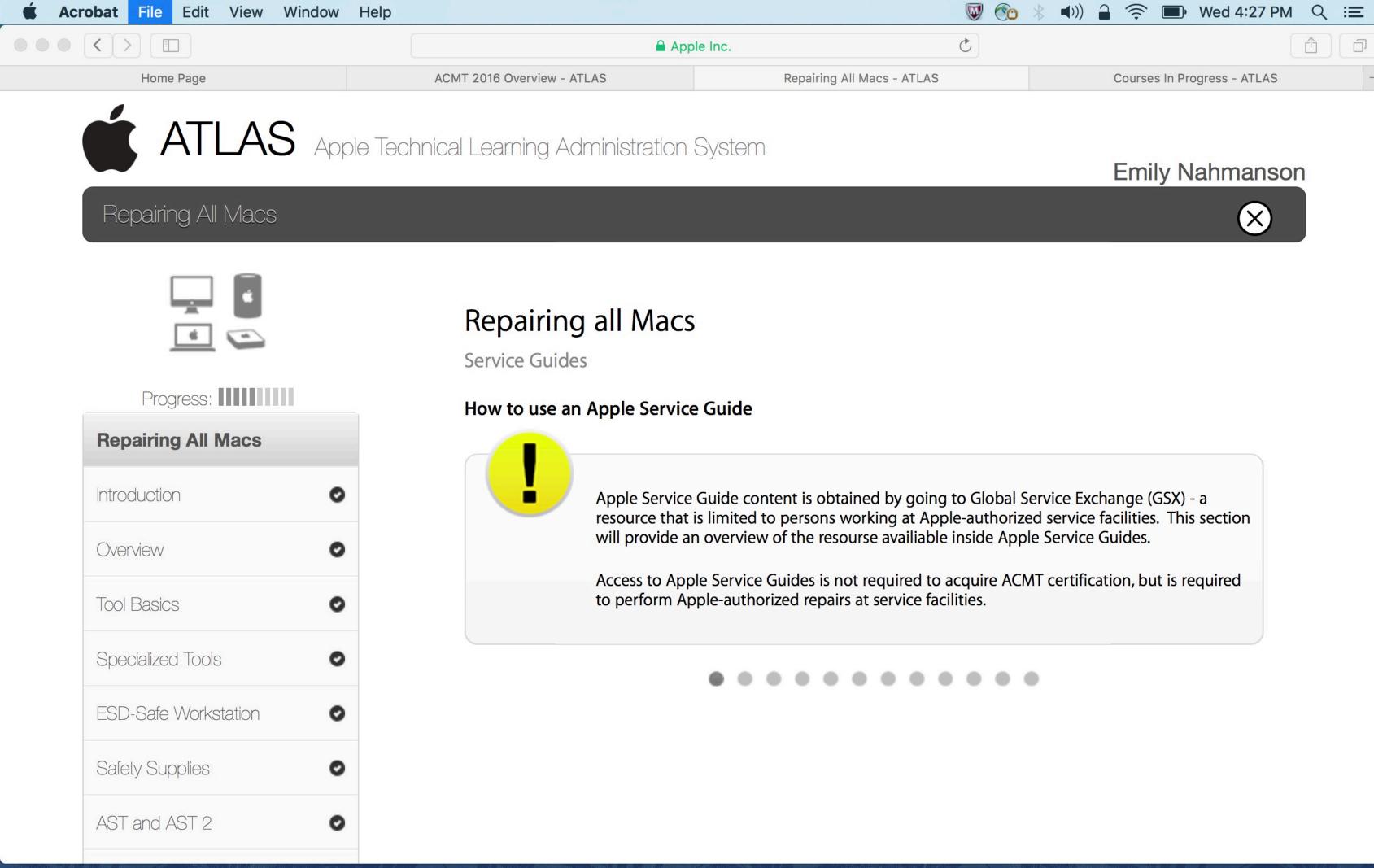
Display Clamshells

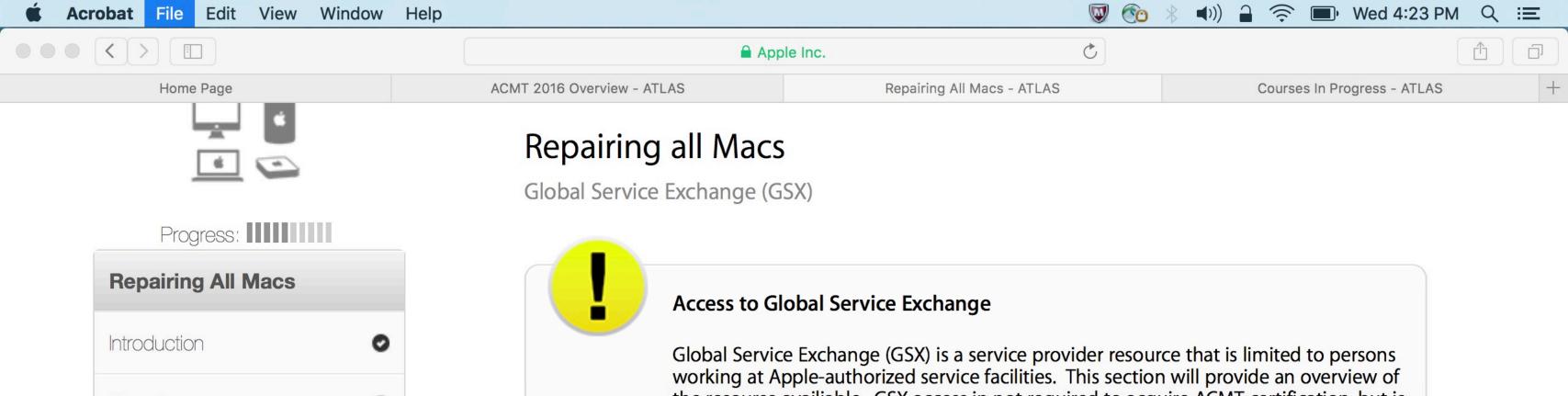


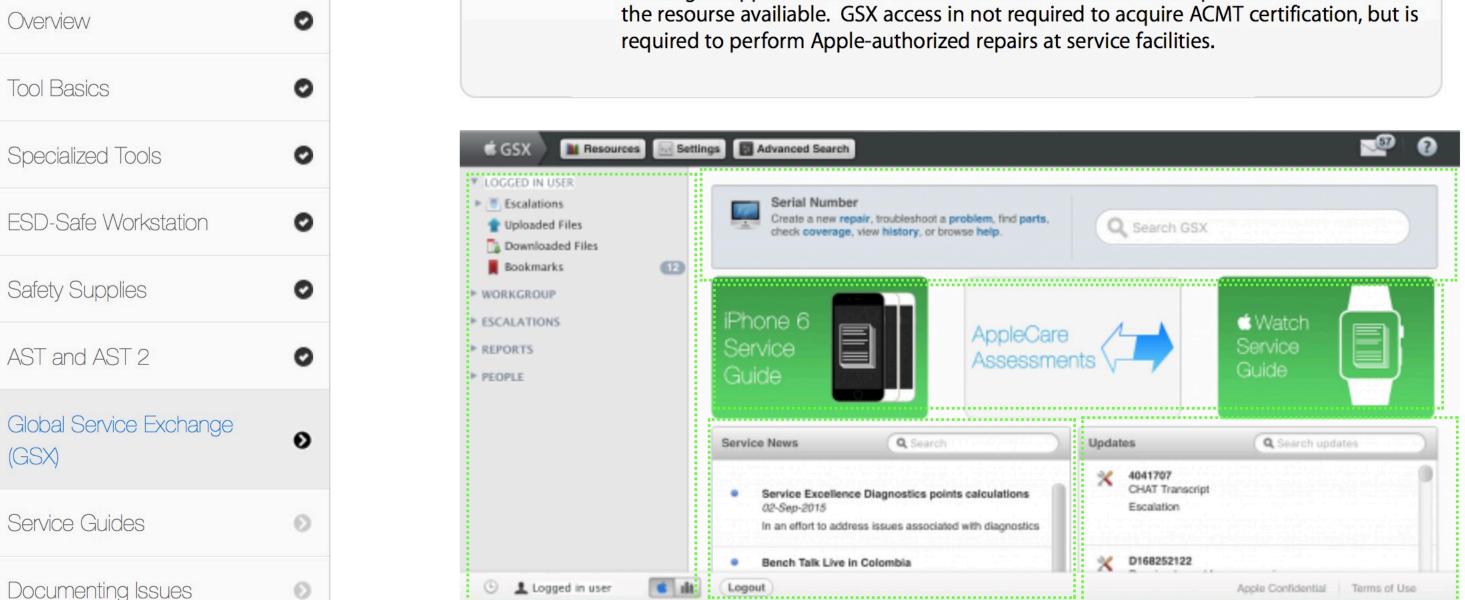
Liquid Damage

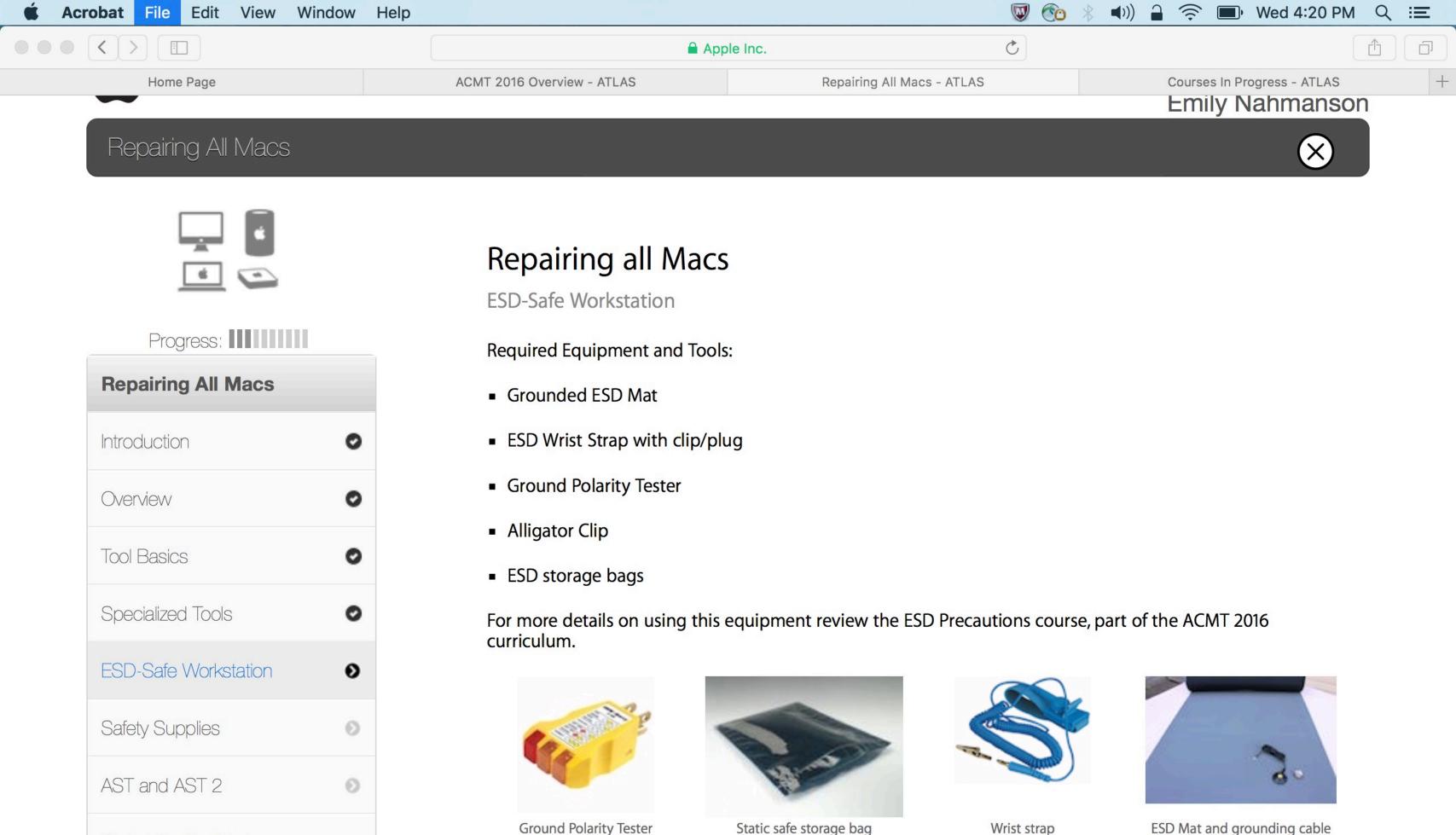


Power Adapters



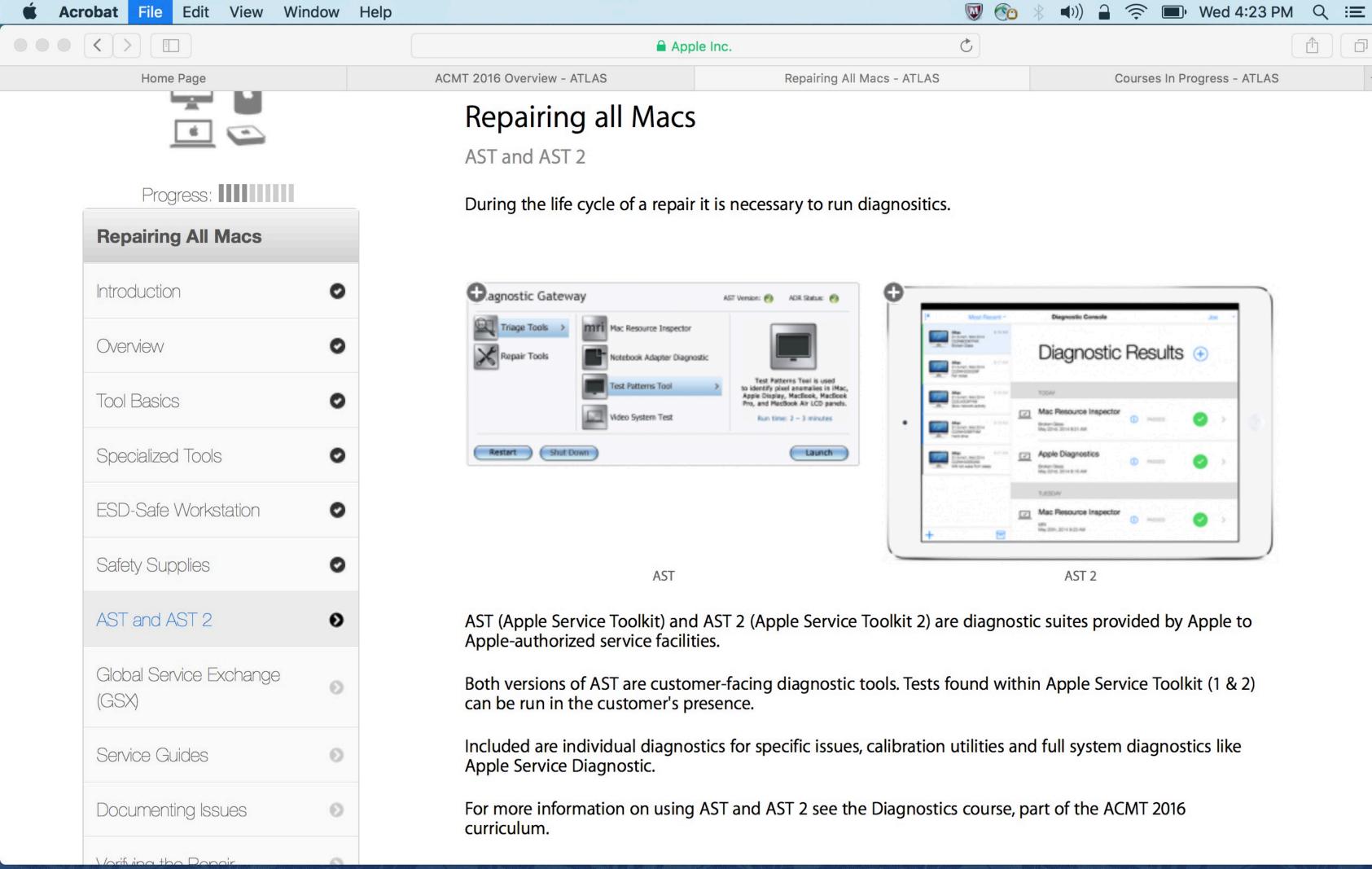


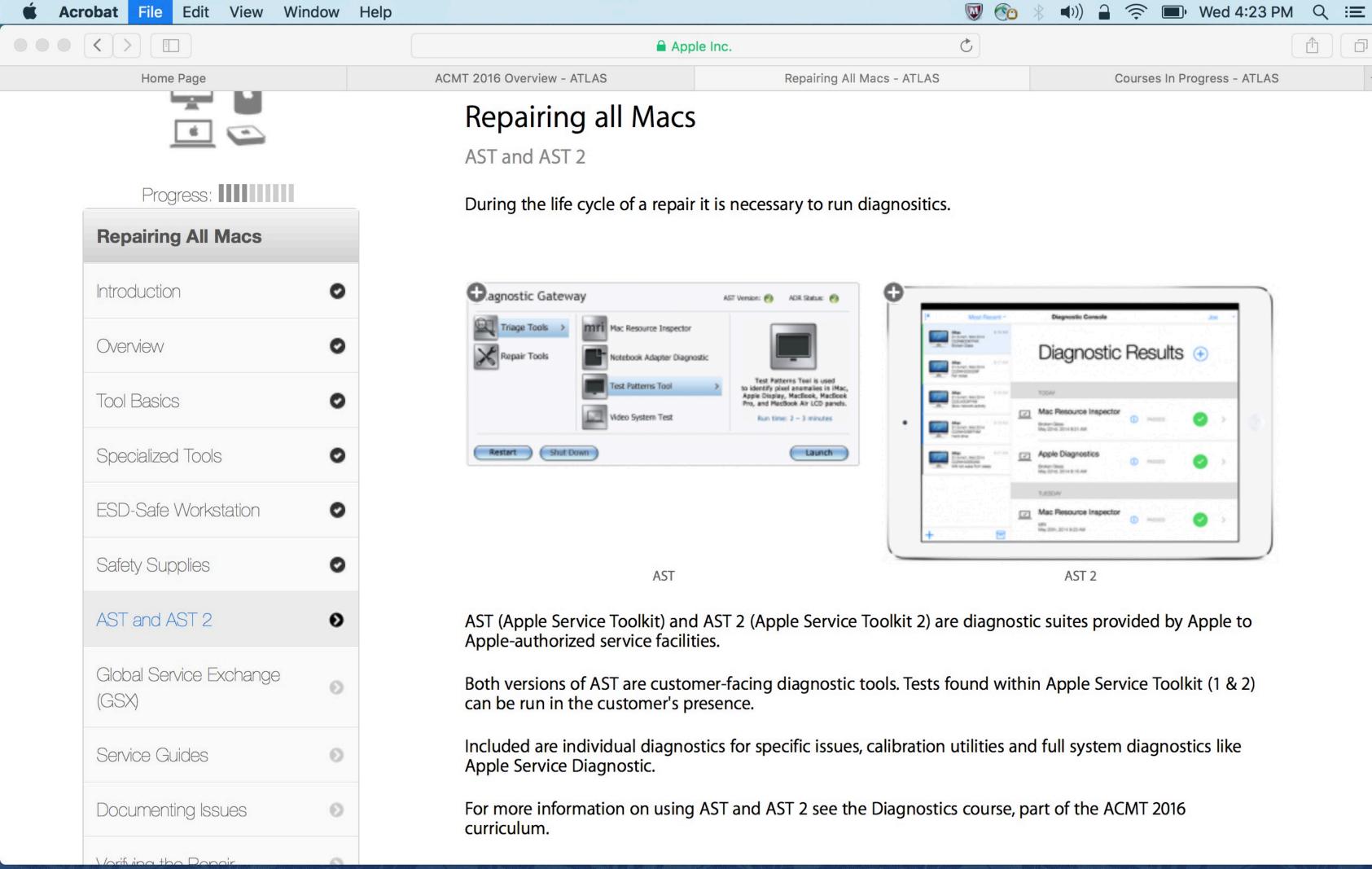


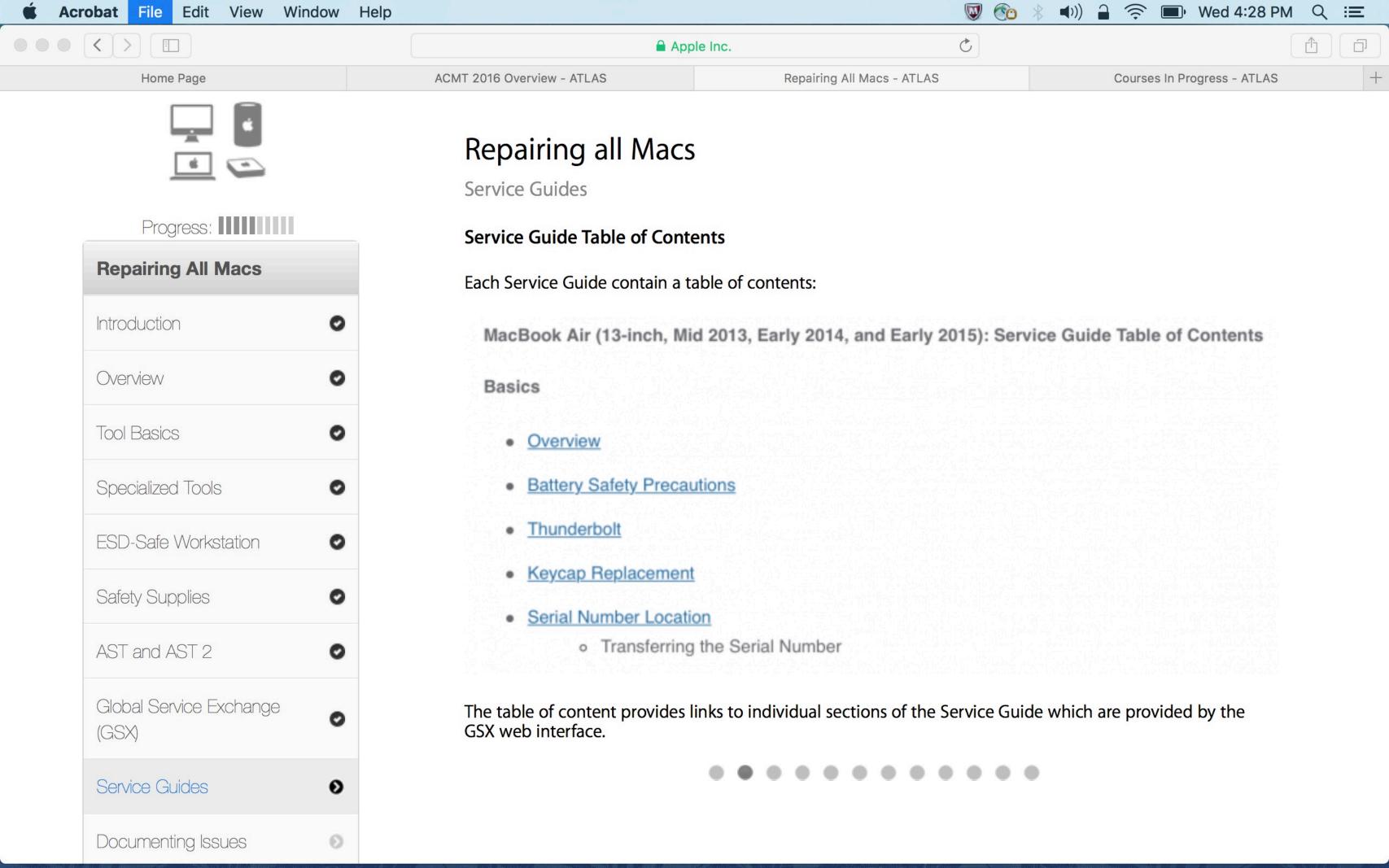


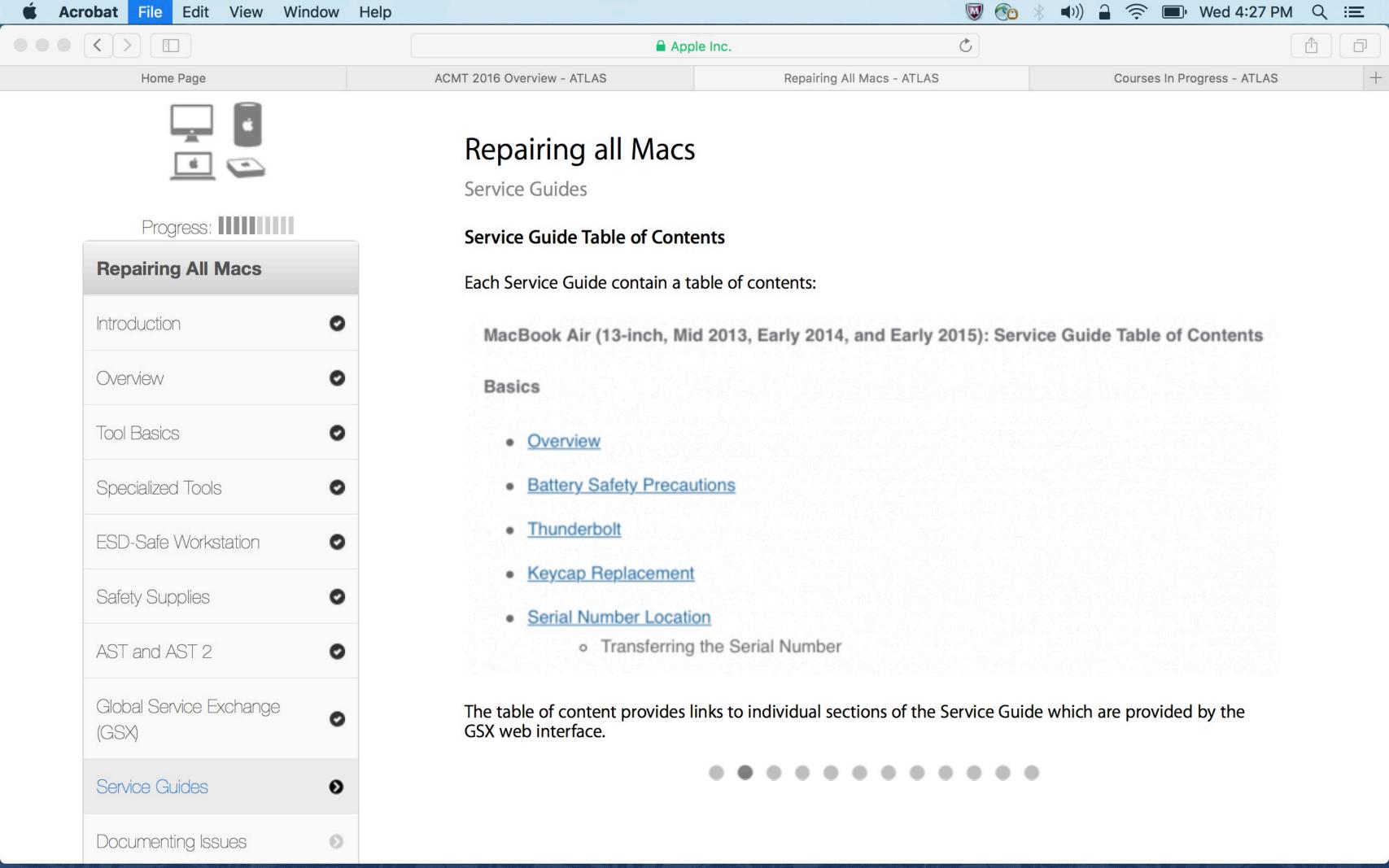
Global Service Exchange

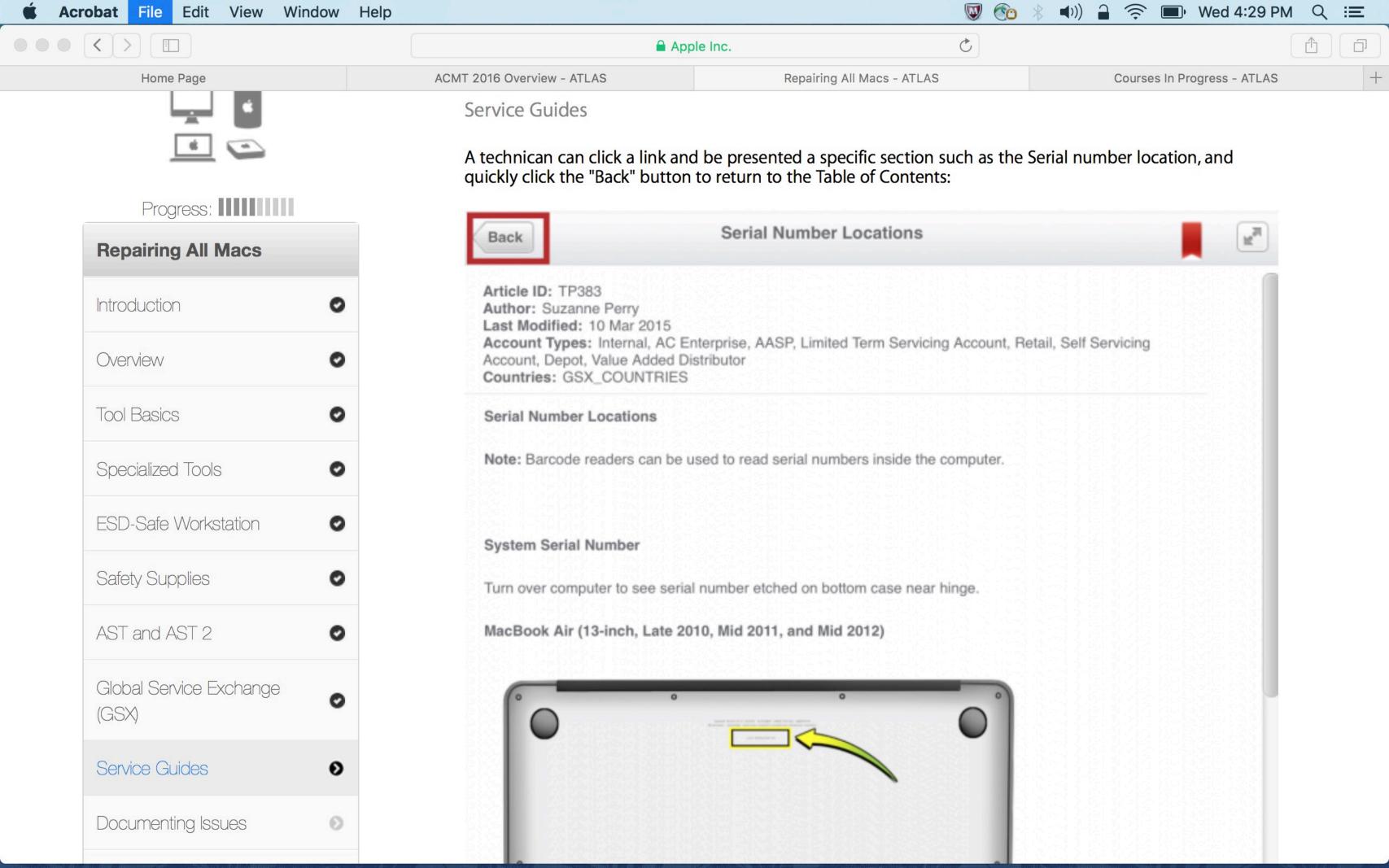
(GSX)

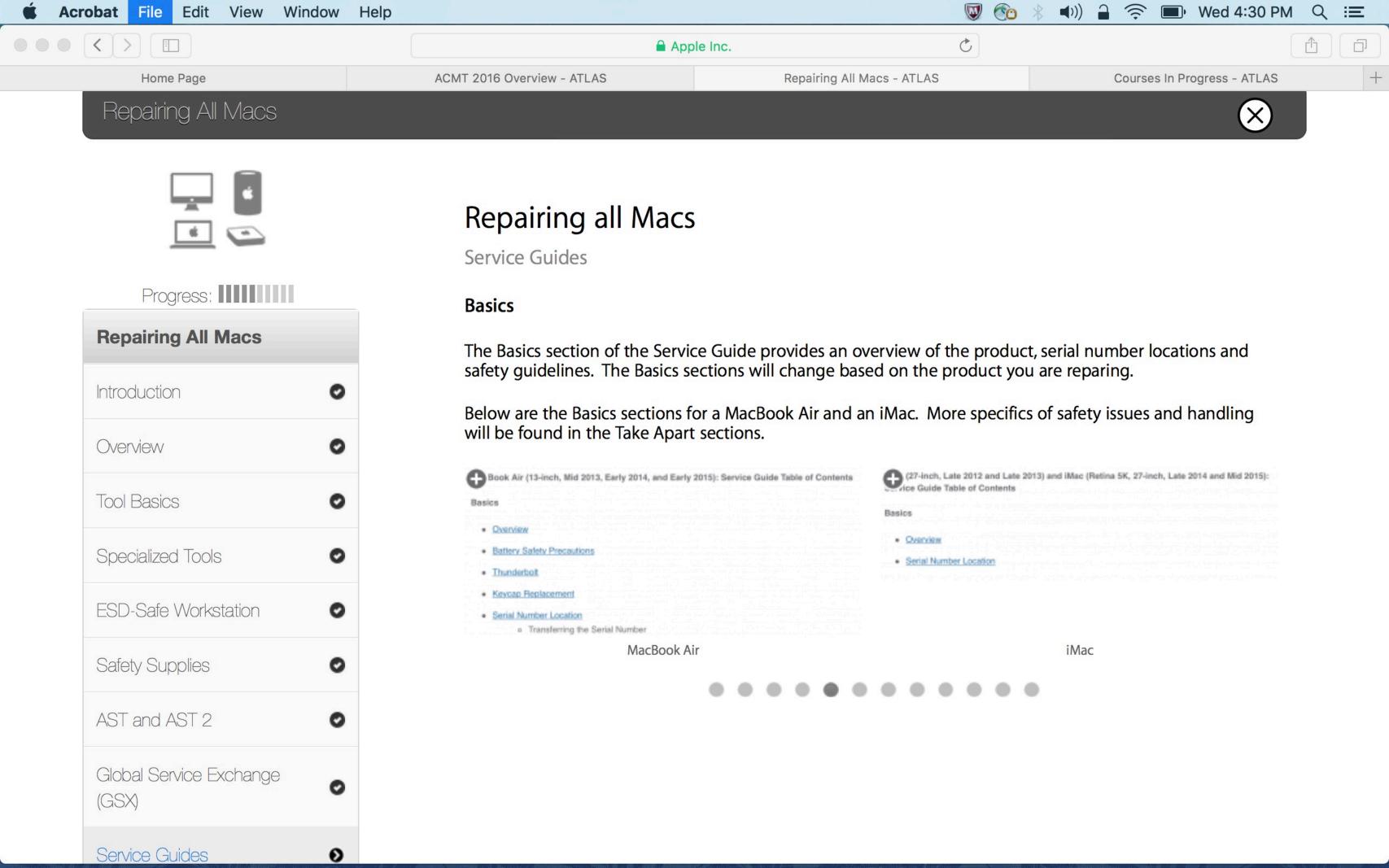


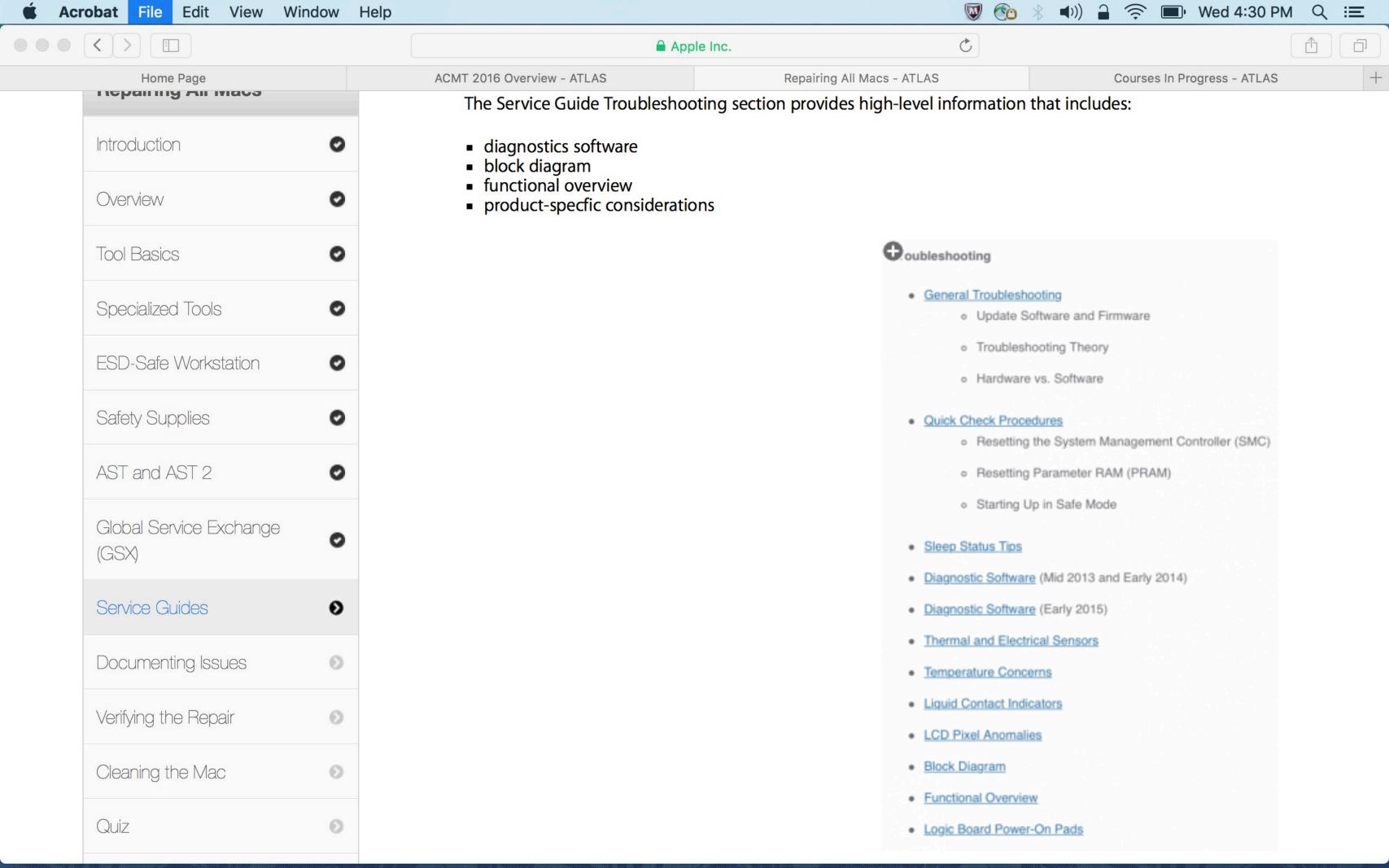


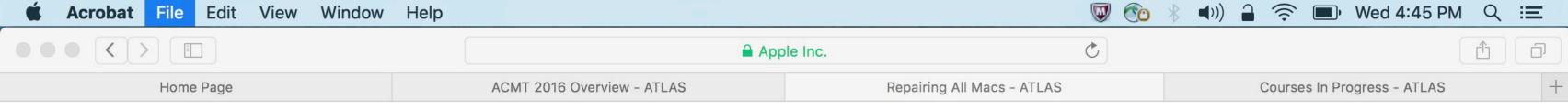














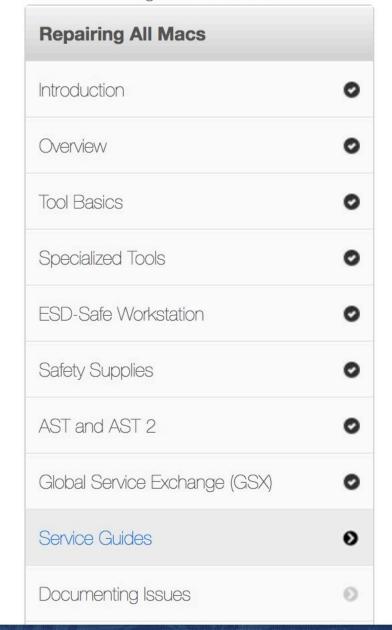
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Repairing All Macs



Progress:



Repairing all Macs

Service Guides

Quick Check

Quick Checks are things you do before proceeding with any invasive troubleshooting. These procedures can be done quickly and run a very low risk of creating new issues.

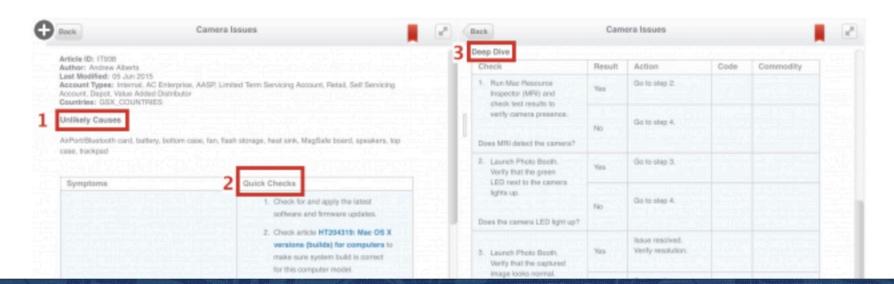
A Quick Check is not necessarily the solution to the issue, but because the tasks are easy to perform and involve little time or expense, these checks are work trying. In some cases, a Quick Check can fix the issue.

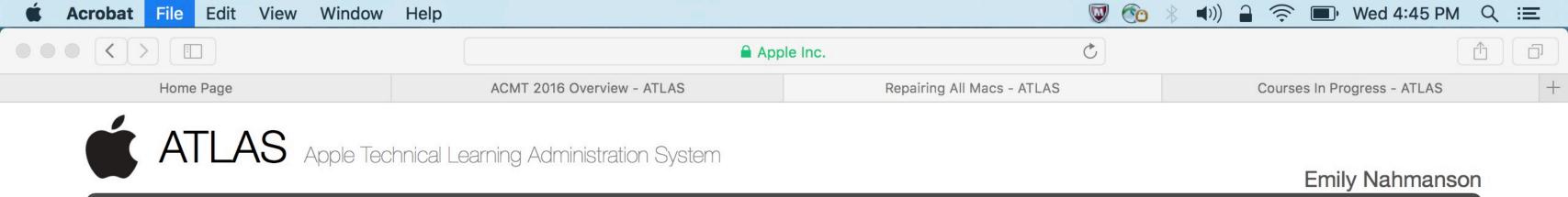
Each symptom chart has a quick check section to guide you through the process.

Symptom Charts

Each symptom chart follows a progression:

- 1. Isolate unlikely causes.
- 2. Apply Quick Checks.
- 3. Follow the Deep Dive flow charts.

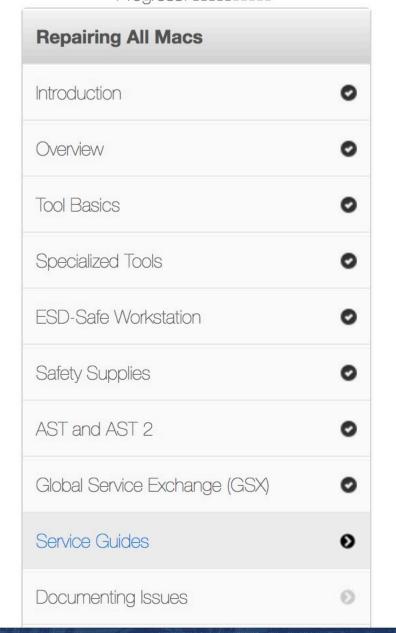




Repairing All Macs



Progress:



Repairing all Macs

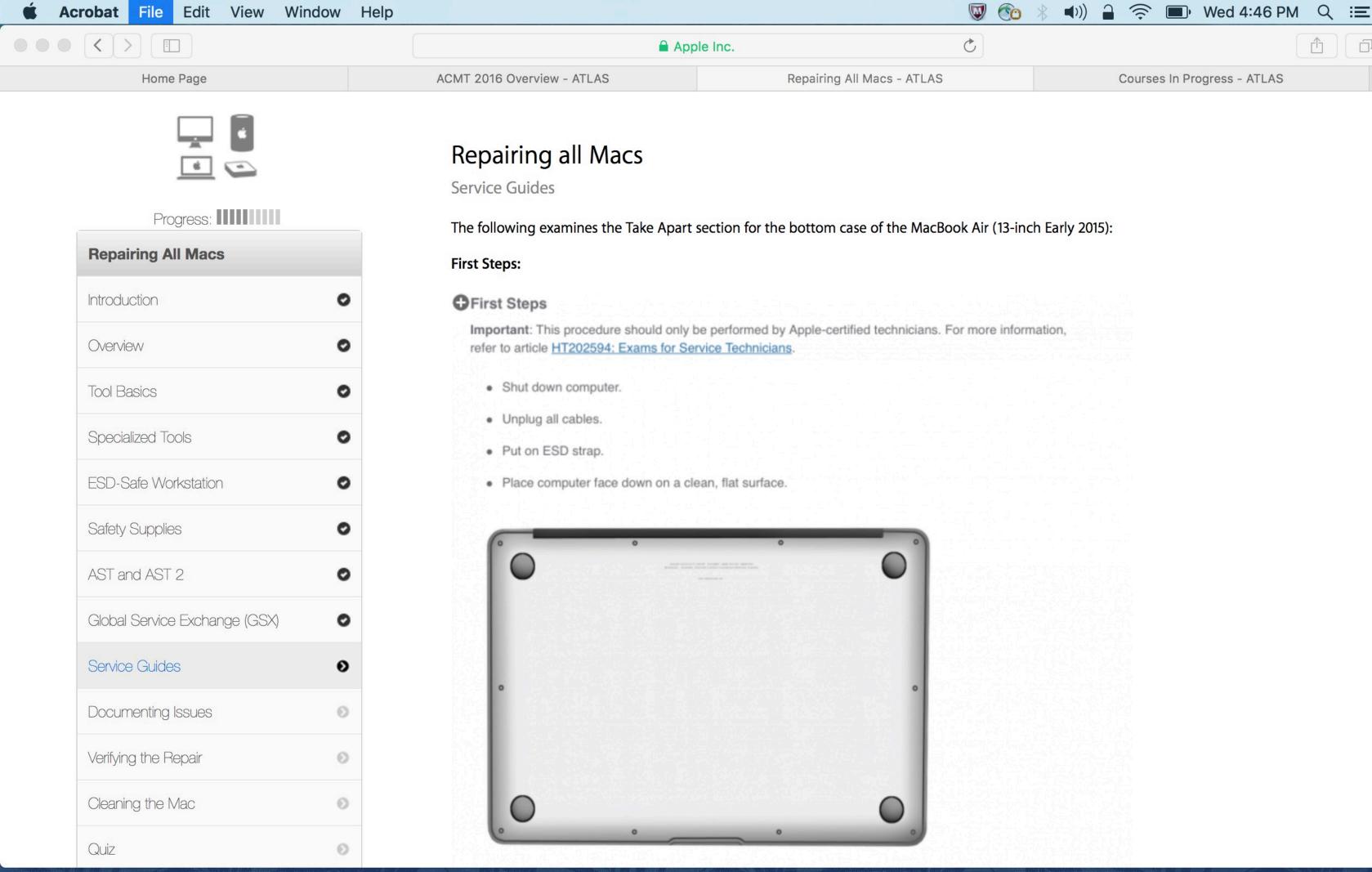
Service Guides

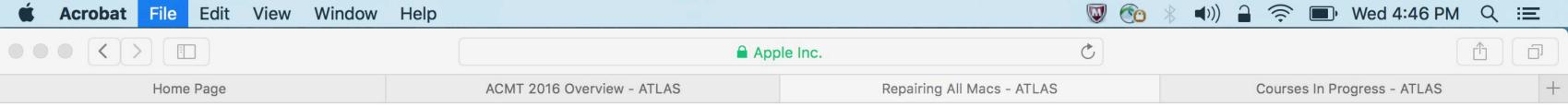
Take Apart

The Take Apart section is designed to help you repair and replace parts within a unit. The Take Apart section is organized by part, starting with the external housing and working towards the logic board and other internal parts.

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At the beginning of the Take Apart section you will find general information about the product such as cable types, tool requirements, and procedure notes.







ATLAS Apple Technical Learning Administration System

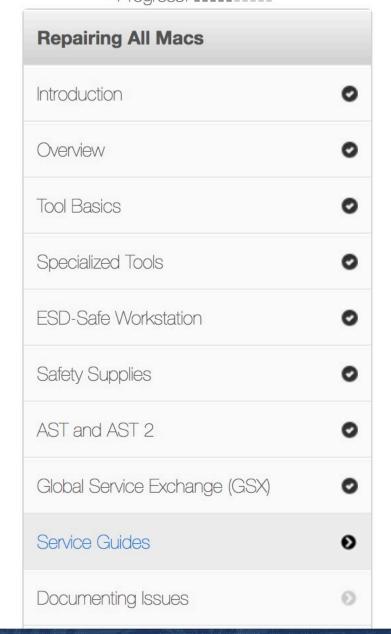
Emily Nahmanson

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Repairing All Macs



Progress:

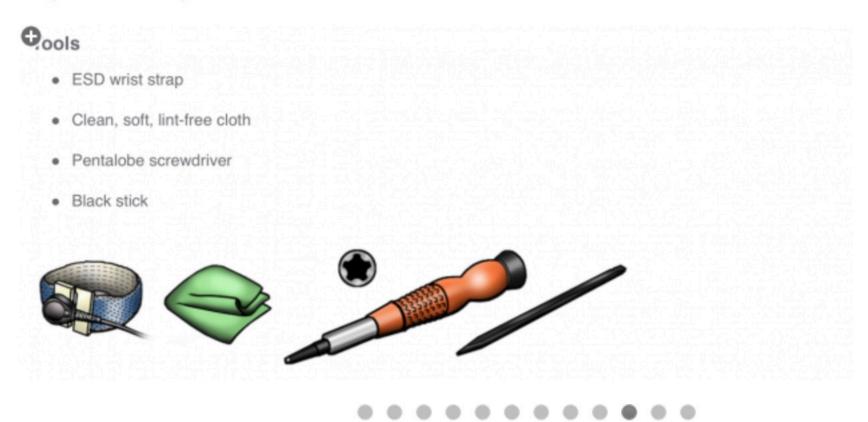


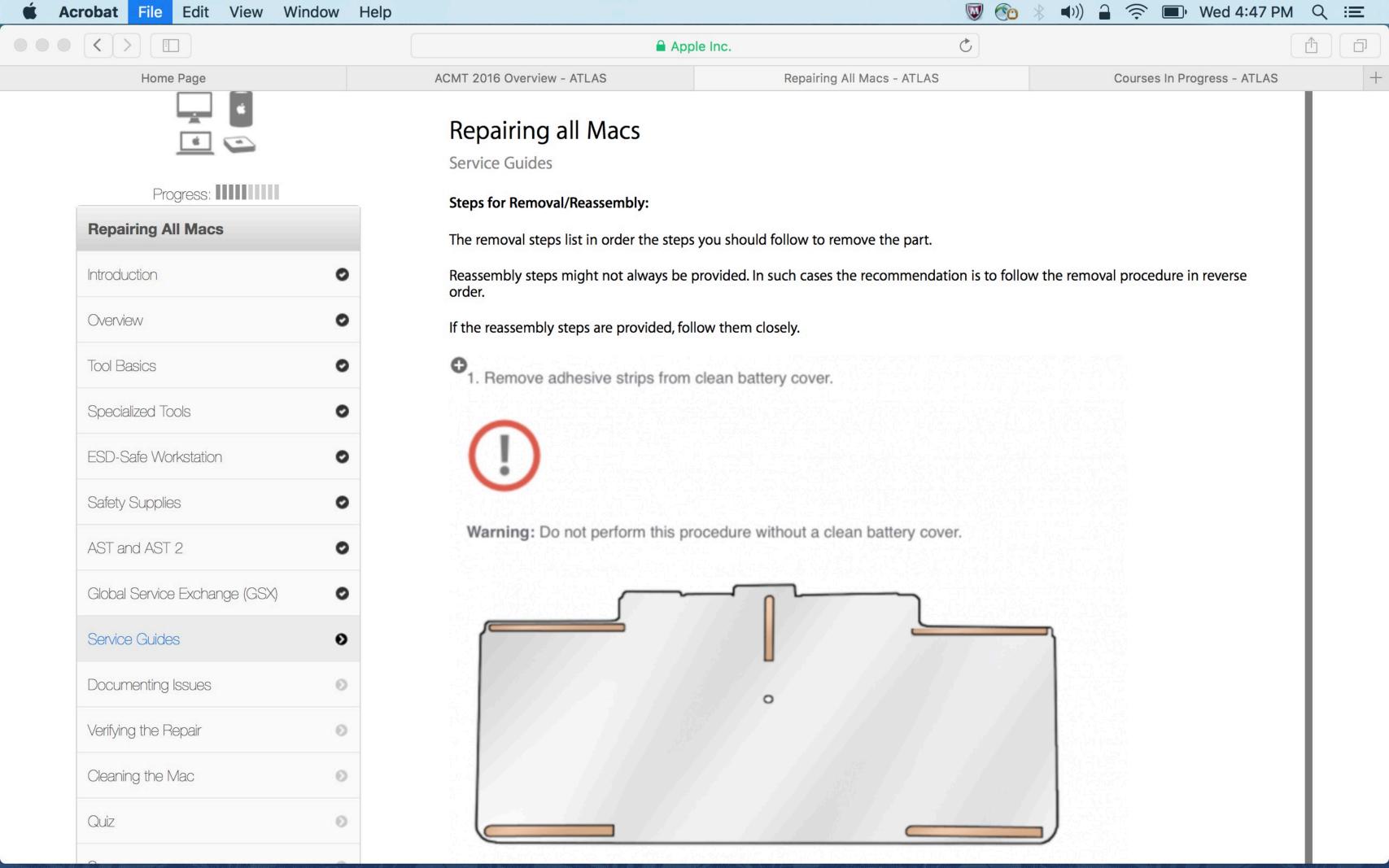
Repairing all Macs

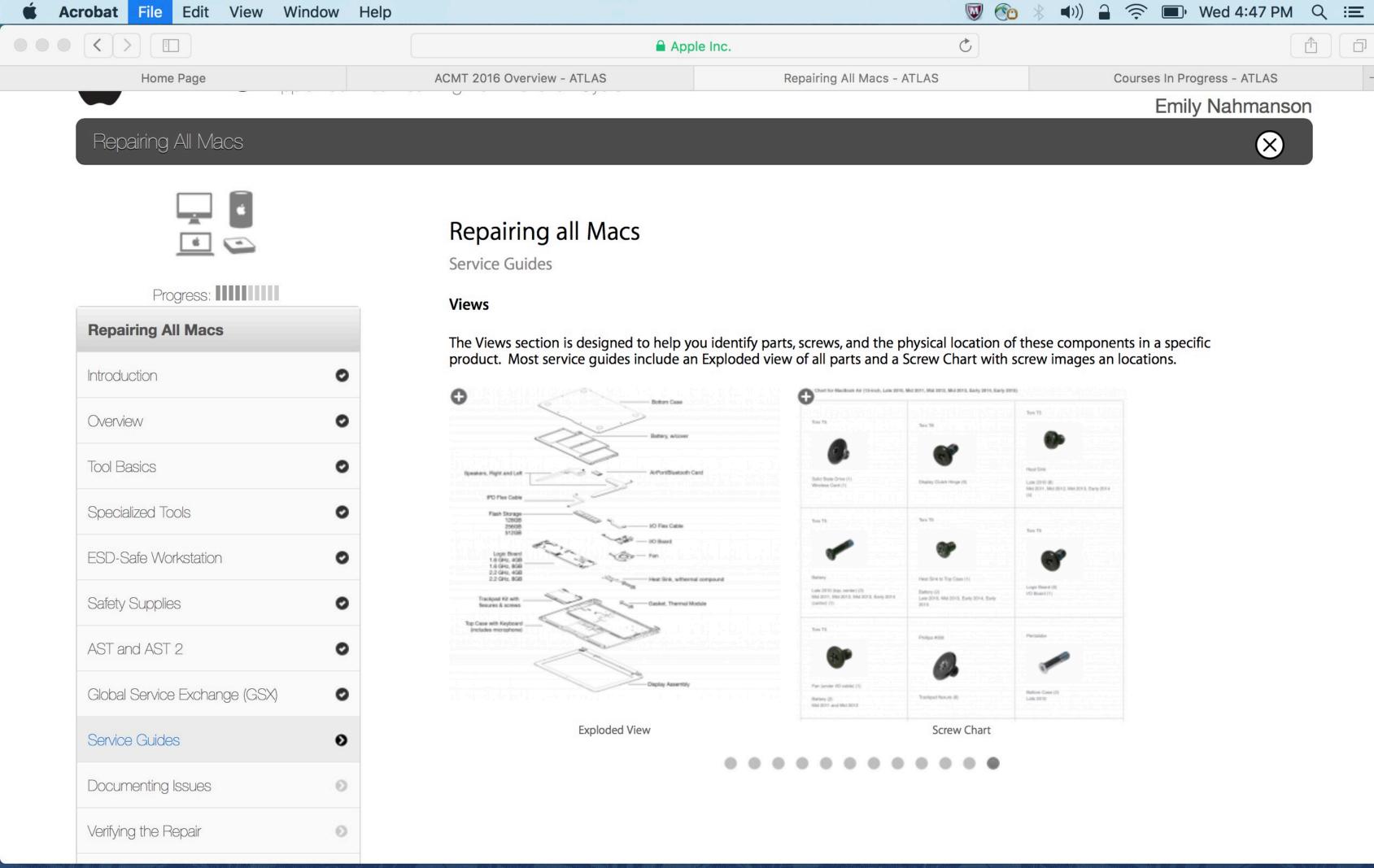
Service Guides

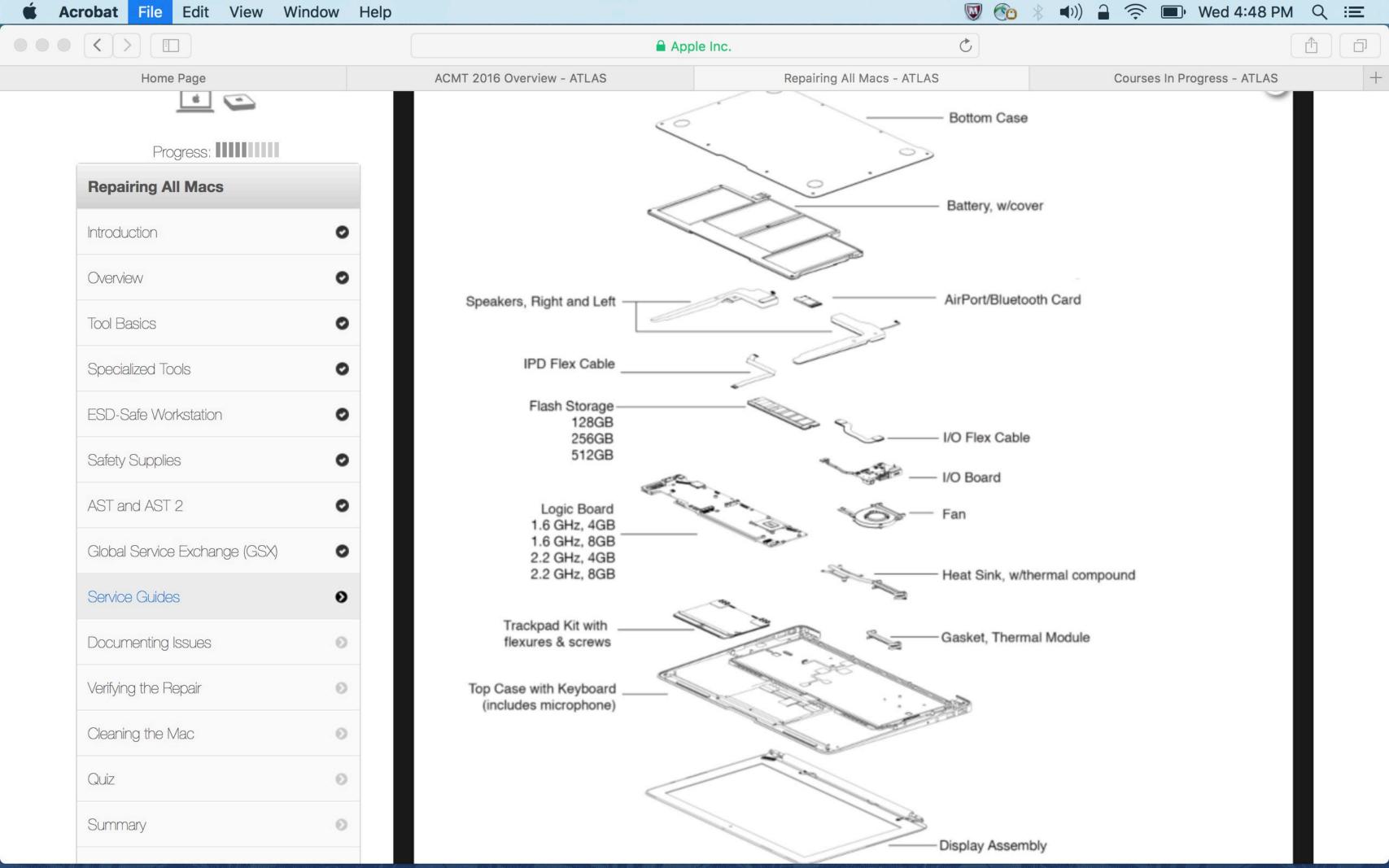
Tools:

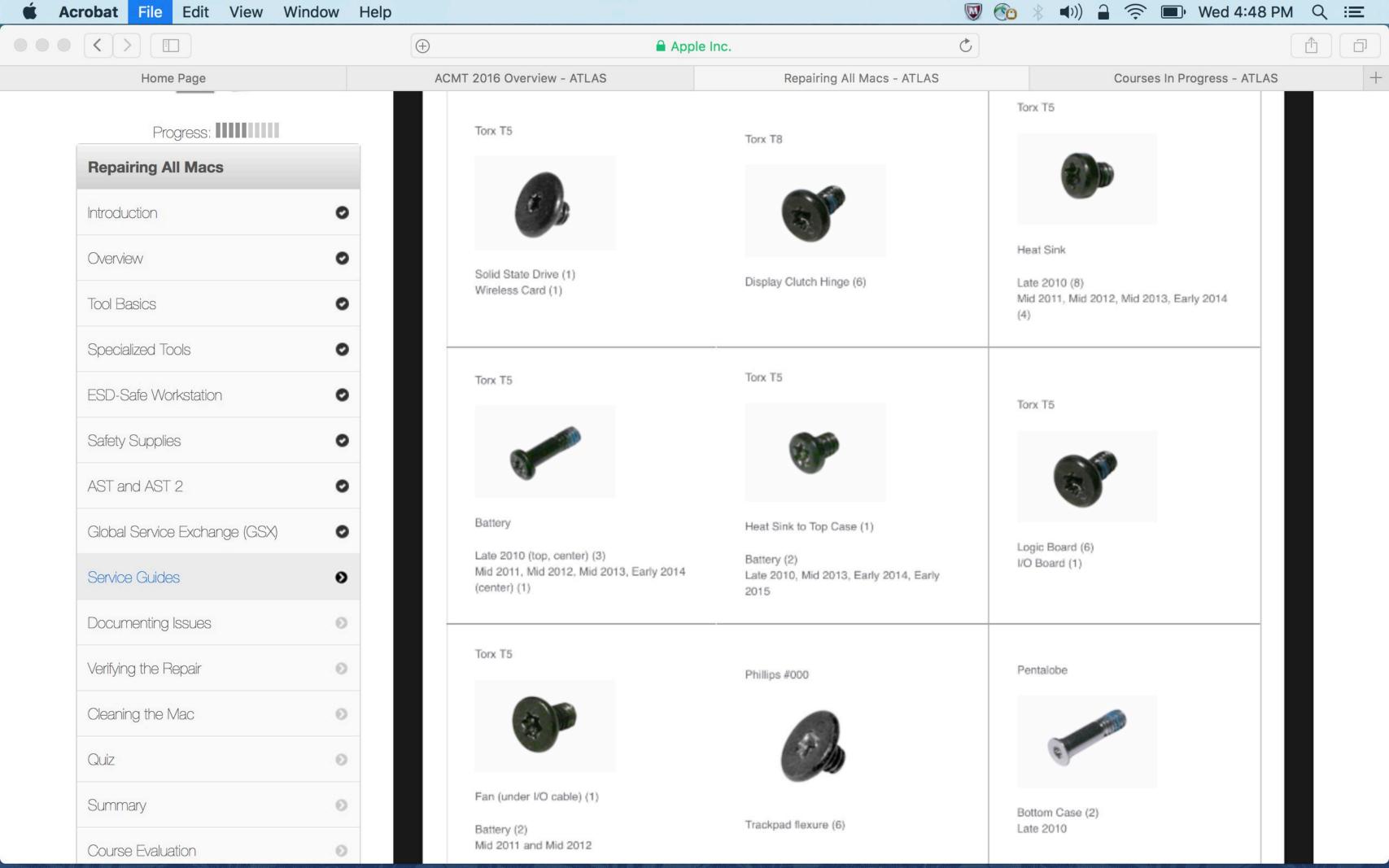
The tools section of the Take Apart will list just the tools required for the specific repair in question. Other tools may be required to compete the First Steps.

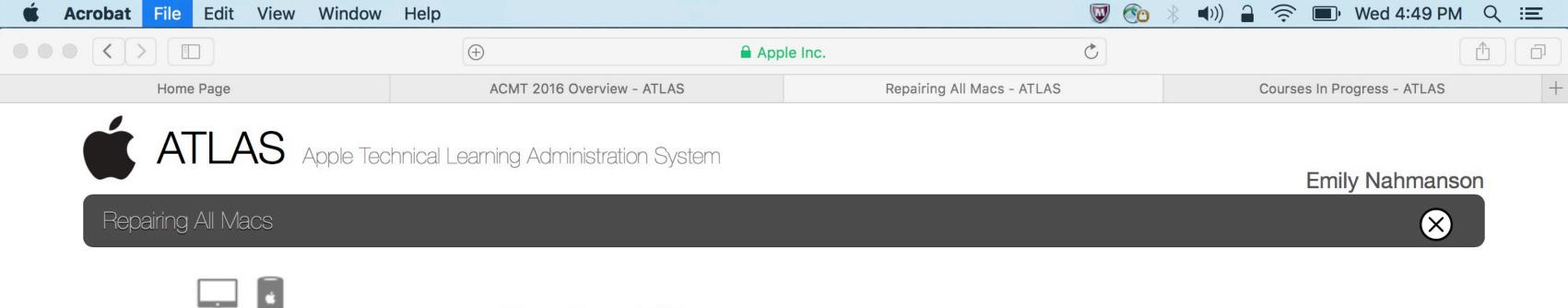




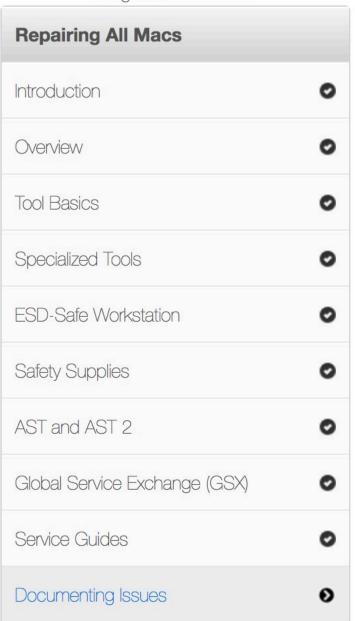












Repairing all Macs

Documenting Issues



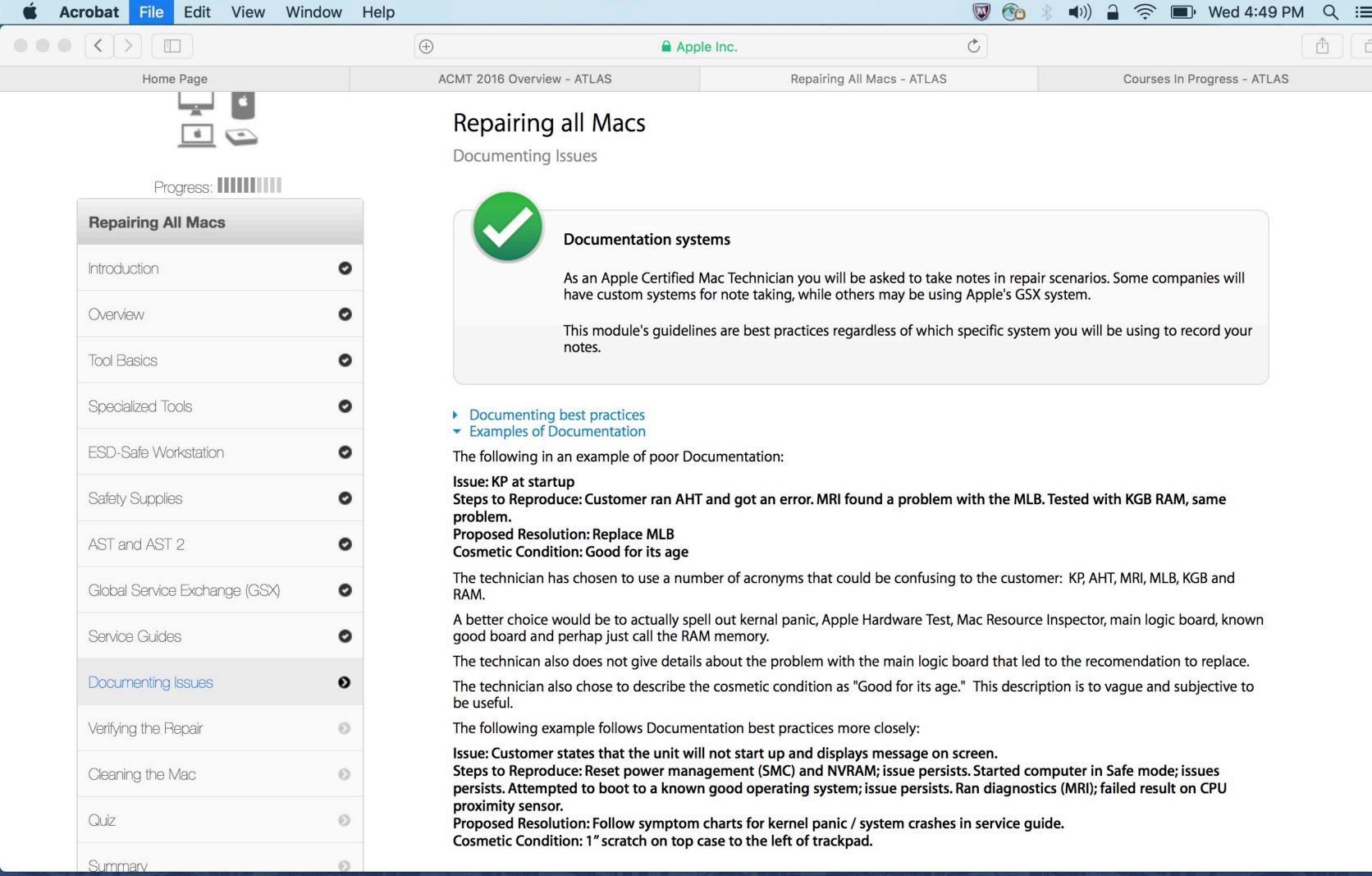
Documentation systems

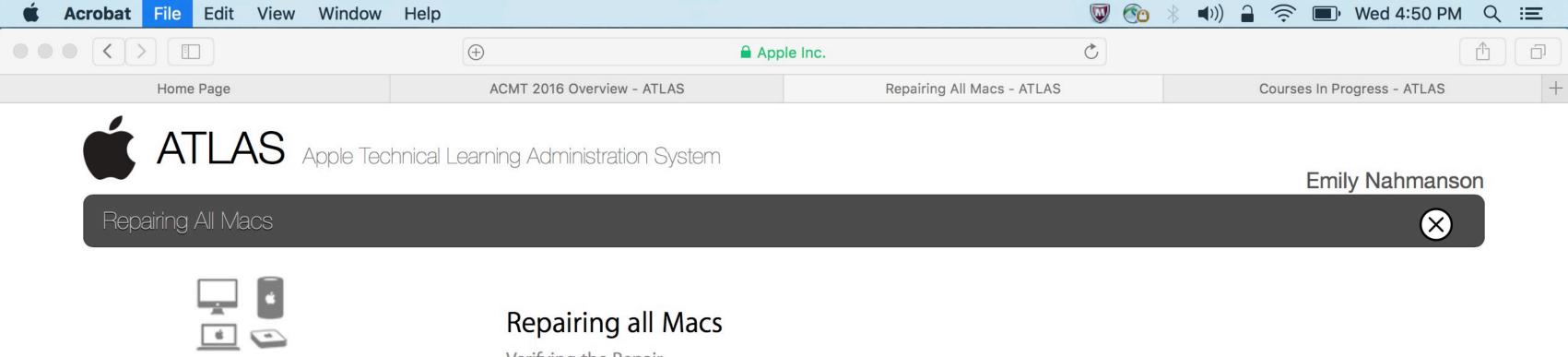
As an Apple Certified Mac Technician you will be asked to take notes in repair scenarios. Some companies will have custom systems for note taking, while others may be using Apple's GSX system.

This module's guidelines are best practices regardless of which specific system you will be using to record your notes.

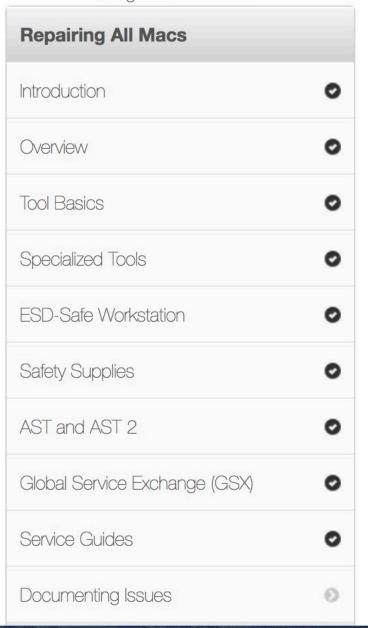
Documenting best practices

- Be professional, avoid inappropriate language.
- Use neutral terms when describing emotional elements.
- Stick to the facts and be objective.
- Write clear, declarative statements.
- List troubleshooting steps to reproduce the issue, using the Action: Result format.
- Strike a balance between complete details, efficient, easy-to-read.
- Avoid acronyms, abbreviations, and technical jargon.
- Good notes tell a story with a beginning, middle, and end.
- Good notes provide answers and make sense, they do not lead to more questions.
- Document cosmetic condition using objective descriptions and measurements, avoid subjective terms such as "good", "perfect condition," or "normal wear and tear."
- Set up the next technician for success.
- Examples of Documentation









Verifying the Repair



What to check when verifying the repair?

After repairs are complete use these as guidelines:

- The original customer issue has been resolved.
- No new issues have been introduce during the repair.
- The Mac will pass required diagnostics.

If these three criteria are not met, return to troubleshooting.

