



MFi Licensing Handbook

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Getting Started

Account Setup

MFi Portal

Upon execution of your MFi License, your company's Primary Contact will receive a welcome e-mail which provides a link to the MFi Portal and his/her User ID and password. Your Primary Contact was designated as such during the application process. The Portal is your gateway to access the resources and tools needed to bring MFi products to market. Prompt and proper setup of your Portal account is a critical step toward successful participation in the program.

1. Log In

Only the designated Primary Contact may log in for the first time. To log in, go to <https://mfi.apple.com> and use the User ID and password provided in the welcome e-mail. Reset your password as directed by the system prompts, then select your [security question and answer](#) (used for resetting your password in the future, if necessary). This User ID and password will now be your [MFi Universal Sign-In](#).

2. Review Your Contact Information

Click "My Account" on the menu bar of the Portal to view your contact information. Ensure that the information is accurate and select the appropriate [MFi Contact type \(s\)](#) for yourself. You may revise the information as needed and click "Update."

3. Add MFi Portal Users

Please see [How to Add Portal Users](#).

4. Make Withholding Tax Selections

Please see [How to Make Withholding Tax Selections](#). For more information about withholding taxes, please see [Withholding Taxes](#).

Note: The Portal supports only the Safari and Firefox Web browsers. Please use the latest versions of these supported browsers. Due to its variable security settings, Internet Explorer does not enable all of the Portal's functionality.

Avnet MFi Procurement Web Site

Avnet is the sole distributor of MFi Licensed Components, including authentication coprocessors, headphone remote and mic system transmitter chips and 30-pin connectors. All components must be ordered through Avnet's MFi Web site: <http://mfi.avnet.com>.

For detailed information about available Licensed Components, please see the [Component Guide](#) in the [Document Center](#) in the Portal. To learn how to order components, please see [Procuring and Handling Licensed Components](#).

1. Log in to Avnet's Procurement Web Site

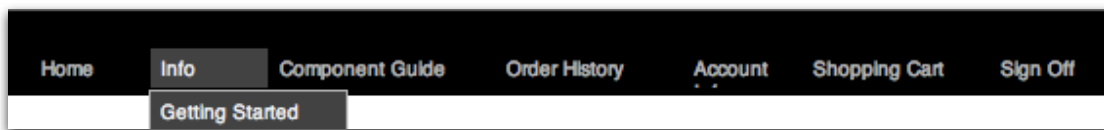
You will be able to log in to the Avnet Web site approximately 1-2 business days after execution of your MFi License. The URL is <http://mfi.avnet.com>. Please log in using the User ID and password associated with your MFi Portal account (i.e., [MFi Universal Sign-In](#)).



The image shows a login form titled "Please Login". It has two input fields: "User" with the text "appleseed@apple.com" and "Password" with masked characters. A "Login" button is below the password field. To the right of the form, there is instructional text: "Enter the User ID and password (case-sensitive) associated with your MFi Universal Sign-in. Your login credentials will be the same as for the MFi Portal." Below this text is a small link: "(MFi Version 1.0.1)".

2. Set up an Avnet MFi Credit Account

- Select "Info">"Getting Started" on the menu bar.



- Download the Avnet Credit Application and complete all required fields.
Note: A credit card payment option is also available. For more information about this option, please see [Credit Card Payment Method](#).
- Complete the form, print a copy, sign the document and e-mail a scanned PDF of the completed application to MFI-CSConn@avnet.com.

Developer Technical Support

Participation in the MFi program includes access to Apple's Developer Technical Support (DTS) team. The DTS team is made up of highly-qualified engineers with development expertise in key iOS/iPod device technologies. They can assist with code-level and circuit-level questions or provide guidance to the right documentation, schematics and code. All DTS communication is conducted via e-mail.

Licensees are entitled to 8 Technical Support Incidents (TSIs) per year. To participate in this program benefit, one of your designated [MFi Technical Contacts](#) must have a free Registered Apple Developer (RAD) account which is registered under the same e-mail address as his/her MFi Portal account. These incidents will expire one year after they are assigned. If your company does not use all 8 incidents before they expire, the remaining incidents will be automatically removed from the associated Registered Apple Developer account. Additional TSIs may be purchased at: <http://developer.apple.com>. Purchased incidents expire one year from the date of activation.

Only designated MFi Technical Contacts may obtain TSIs and submit technical support requests. Licensees' contractors, consultants and contract manufacturers may not submit support requests. These limitations only apply to the TSIs provided to Licensees as a program benefit.

How to Request Developer Technical Support Incidents

Only a designated Technical Contact may request incidents.

1. Register for a free Registered Apple Developer account if you do not already have one: <http://developer.apple.com/programs/register>.
 - If you already have an active Apple Developer Connection (ADC) account, you do not need to set up a Registered Apple Developer account.
 - The Registered Apple Developer account (or Apple Developer Connection account) must be registered under the same e-mail address as the one associated with your MFi Portal account.
2. Send an e-mail request to mfidev@apple.com. Include your company name and MFi account number and ask for 8 TSIs to be assigned to your Registered Apple Developer account.
 - You may verify when the TSIs have been assigned by logging in to your Registered Apple Developer account at <http://connect.apple.com> and clicking the "Assets" link. You will not receive automatic notification when the incidents are assigned.

How to Submit a Technical Support Incident

Only a designated Technical Contact may submit an incident.

1. Once you have obtained your company's TSIs, send an e-mail to dts@apple.com that identifies your inquiry as an iOS/iPod device question. The subject line should be as descriptive of the issue as possible. Include your name, company name, e-mail address and phone number.
2. In the body of the e-mail, describe the issue in detail, including actions already taken and, if applicable, conditions under which the issue occurs. You may submit only one single, discrete issue per incident.
3. If appropriate, attach a sample project or source code demonstrating the problem. [Accessory Test System](#) (ATS) or USB traces showing the communications between your accessory and the iOS/iPod device are helpful. For assistance with an authentication coprocessor issue, a trace of the I2C/SPI communication with the authentication coprocessor is also helpful.

DTS engineers typically provide an initial response to a specific support request within 3 business days. Due to the volume of support requests being reviewed at any given time, response times will vary.

Reviewing Technical and Program Documents

All of the program-related technical specifications and documents described below are located in the [Document Center](#) in the MFi Portal and are subject to change. These documents are Apple Confidential and should only be shared with those individuals who have a need to know and are bound by the appropriate NDA.

Licensing Forms

Packaging Self-Certification Form: The Packaging Self-Certification Form must be completed and uploaded to the Portal for each Product Plan. Foreign translations of the form are available for reference.

Sample Accessory Self-Certification Form: The Self-Cert Form for MFi accessories must be submitted through the Portal. This reference document enables Licensees to preview the Self-Certification checklist as it appears in the Portal.

Sample Destruction Log: Sample log file recommended to document the [secure destruction](#) of Apple Licensed Technology.

Sample Product Plan Forms: Product Plans must be submitted through the Portal. These reference documents enable Licensees to preview the forms as they appear in the Portal.

Marketing Materials

MFi Logo Guidelines

Made for iPod, Made for iPhone, Made for iPad and Combination Logos: High-resolution versions in English and French are provided for all logos.

iPod, iPhone, and iPad Icons Guidelines

iPod, iPhone and iPad Compatibility Icons

Technical Reference

ATS Installation Guide and User Manual: Contains the ATS Installation guide and User Manual.

ATS Software: Contains the ATS software.

Component Guide: Describes the connectors and authentication coprocessors which can be used in MFi accessories.

Dimensional Drawings: Contains two-dimensional drawings of iPod/iPhone/iPad models.

Guide to Submitting Apps that Work with Accessories: Describes the steps for the app developer to submit apps that work with accessories to the App Review team.

iPhone Universal Dock: Contains CAD/CAM and PDF files with design information for Apple's Universal Dock solution, including CAD/CAM files for each of the iPhone adapters.

iPod Connectors: Provides two-dimensional drawings of the various connectors used with the iPod/iPhone and an overview of the different types of connectors.

iPod Developer FAQs: Contains frequently asked questions and their answers.

MFi Authorized Test Labs: Contains a listing of the test labs, including their contact information and available services.

Obtaining Developer Technical Support: Describes the process by which Licensees may receive technical support.

TDMA Test Files: Apple-supplied TDMA audio test files for use during certain TDMA Noise Tests described in the technical specifications.

Universal Dock: Contains CAD/CAM and PDF files with design information for Apple's Universal Dock solution, including CAD/CAM files for each of the iPod adapters.

Technical Specifications

The following files are watermarked and will only be accessible to your designated [Technical Contact\(s\)](#). The files available in the "Technical Specifications" folder are subject to change.

AirPlay Product Compliance Test: Describes the tests that are used to verify that AirPlay-compatible products conform to the AirPlay specification.

AirPlay Product Definition Specification: Describes the features and behaviors that are required for all AirPlay-compatible products.

Bluetooth Accessory Guidelines: Describes design requirements for hardware accessories that use Bluetooth transport to communicate with Apple devices.

MFi Accessory Firmware Specification: Describes the iPod Accessory Protocol commands used to control Apple devices through the 30-pin connector or Bluetooth.

MFi Accessory Hardware Specification: Contains details about the signals in the 30-pin connector. Provides guidelines for designing power supplies which power and charge Apple devices and using audio and video signals.

MFi Accessory Testing Specification: Describes how to test and self-certify your accessory products.

iPod Authentication Coprocessor 2.0B: Describes the 2.0B version of the authentication coprocessor.

iPod shuffle: Details the headset jack in the iPod shuffle.

MFi Portal

Overview

The MFi Portal is your gateway to access the resources and tools needed to bring MFi products to market. Prompt and proper setup of your Portal account is a critical step toward successful participation in the program.

Supported Web Browsers: Safari and Firefox

The Portal supports only the Safari and Firefox Web browsers. Please use the latest versions of these supported browsers. Due to its variable security settings, Internet Explorer does not enable all of the Portal's functionality.

MFi Universal Sign-In

The MFi "Universal Sign-In" enables you to log in to all MFi program-related secure sites through a single user ID and password, which is the same as your MFi Portal user ID and password. Using your Universal Sign-In, you may log in to the Avnet MFi Web site and the Web sites of our authorized third-party test labs, RFI and 7 layers. (Cetecom's Web site does not require login at this time.)

Portal Menu Bar

Home

Selecting "Home" on the menu bar will take you to the Home page of the Portal.

Announcement Board

Each time you log in to the Portal, you will see key program updates on the Home page. Apple communicates important information through the Announcement Board.

How to Identify Your Company's MFi Account Specialist

On the right side of the screen on any page in the Portal, you will see the name and e-mail address of your MFi Account Specialist.

How to Identify Your Company's Primary Contact

On the right side of the screen on any page in the Portal, you will see the name and contact information of your company's designated [Primary Contact](#).

Product Plans

This section of the Portal allows you to submit/track Product Plans and complete certification requirements for each approved Product Plan. For more information about Product Plans, please see [Product Plans](#).

Document Center

The latest versions of all program-related technical specifications and documentation are located in the Document Center. All documents are Apple Confidential and should only be shared with those individuals who have a need to know and are bound by the appropriate NDA. Only designated [Technical Contacts](#) may access technical specifications, which are watermarked. For more information about the documents available in the Document Center, please see [Reviewing Technical and Program Documents](#).

Procurement

This page provides a link to Avnet's MFi Web site. To learn how to set up your Avnet account, please see [Avnet](#).

Quarterly Report

This page enables you to submit required Quarterly Reports to Apple. The Quarterly Report is due within 30 days after the end of each calendar quarter, even for quarters with 0 sales. The Quarterly Report includes the following elements: Sales Data, Forecast Update, Inventory Reconciliation. For more information, please see [Quarterly Report](#).

My Account

This section of the Portal enables you to:

- View/update your own contact information and [MFi Contact type\(s\)](#)
- View your [company information](#)
- (Primary Contacts only) [Add Portal users](#), [delete Portal users](#) and [designate Contact types](#)
- (Primary Contacts only) [Change passwords](#) for other Contacts (excluding themselves)

Company Information

To view your company information, click "My Account" and then the "Company Info" button. The following information is viewable in the Portal:

Company Info

If you need to change your company information, please contact your Account Specialist.

Company Name:

Account Number:

Account Type:

Contract Number:

Primary Contact Name:

Your account number, account type and contract number are assigned by Apple and will not change

- A contract number is a unique series of numbers and letter(s) assigned by Apple
- An account number is a unique 6-digit number that is associated with your contract number
- Account type reflects the nature of your License based on the agreements executed

Should you need to change your company's legal name or your [Primary Contact](#) for the MFi program, please [contact your Account Specialist](#).

Managing Your Account

Who May Access the MFi Portal

Only those employees of your company who have a need to know and are bound by the appropriate NDA may have Portal accounts. Portal users **may not share their login credentials with any other individuals**. The e-mail addresses associated with your company's Portal users must use your company's domain name which was provided during the application process. The maximum number of Portal users per License is 10. If you believe that your business requires a higher number of Portal users, please [contact your Account Specialist](#).

Who May Not Access the MFi Portal

- Employees of your [Authorized Manufacturers](#) or contractors

Note: If an employee of your Authorized Manufacturer will submit ATS reports on your company's behalf, you may set up an [ATS-only account](#).

- Employees of your company's subsidiaries or affiliates, unless the subsidiary/affiliate is 100% owned by your company and specifically named on the MFi License
- Employees of your company's parent company or holding company, unless the parent/holding company is the entity that executed the MFi License

MFi Contacts

The employees who will play a role in your company's participation in the MFi program will be MFi Contacts. MFi Contacts each have a Portal account which is tied to a unique User ID and password. Each Contact's e-mail address will serve as his/her User ID. Department and "generic" e-mail addresses, such as "info@acme.com" or "accounting@acme.com," are not permitted.

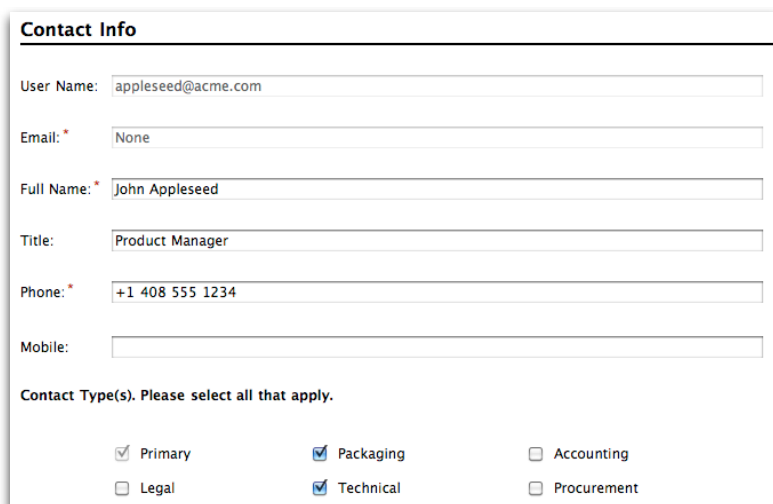
Defining Contact Types

MFi Contacts must be associated with one or more functional roles in the Portal. The various functional roles are called "Contact types."

- **Primary** — Manages your company's overall participation in the MFi program. Licensees may designate only one Primary Contact at any given time; a Primary Contact must be designated at all times.
- **Accounting** — Provides your company's withholding tax information, submits Quarterly Report and remits royalty payment.
- **Technical** — Accesses technical specifications. Licensees may designate multiple Technical Contacts who will each have access to watermarked technical specifications.
- **Procurement** — Purchases Licensed Components from Avnet, the sole distributor of MFi components.
- **Packaging** — Reviews Logo Guidelines and Trademark Guidelines and submits packaging self-certification materials.
- **Legal** — Receives legal communications via e-mail. This individual does not directly access the Portal.

Designating Multiple Contact Types for 1 Individual

The Portal enables you to designate multiple Contact types for each individual. Example: John Appleseed can be Primary, Technical and Packaging Contact types:



Contact Info

User Name:

Email: *

Full Name: *

Title:

Phone: *

Mobile:

Contact Type(s). Please select all that apply.

| | | |
|---|---|--------------------------------------|
| <input checked="" type="checkbox"/> Primary | <input checked="" type="checkbox"/> Packaging | <input type="checkbox"/> Accounting |
| <input type="checkbox"/> Legal | <input checked="" type="checkbox"/> Technical | <input type="checkbox"/> Procurement |

However, your company may have only one Primary Contact at any given time.

Primary Contacts may select the applicable Contact type(s) for themselves, as well as for other individuals. Non-Primary Contacts may select the applicable Contact type(s) for themselves, but they may not select the “Primary” Contact type.

Multiple Corporate Domain Names

The e-mail addresses associated with your company’s Portal accounts must use the corporate domain name provided during the application process. If an individual who is authorized to access the Portal (please see [Who May Access the MFi Portal](#)) has an e-mail address which uses a different domain name, please [contact your Account Specialist](#).

ATS-Only Accounts

If an individual is authorized to submit [Accessory Test System \(ATS\)](#) reports on your company’s behalf (e.g., an employee of an [Authorized Manufacturer](#)) but is not an employee of your company, a Primary Contact may create an ATS-only account for this purpose. This does not appear as a “Contact type” on the “Contact Information” page in the Portal. Individuals who are not employees of your company may **not** access the MFi Portal. For instructions on creating this type of account, please see [How to Add ATS-Only Accounts](#).

Keeping Your Portal Users Current

It is critical that you review and update your company’s Portal users on a consistent basis. All users must be employed by your company and have a need to know. Should an individual change roles or leave the company, you must delete his/her account on the Portal immediately.

How to Add Portal Users

Only Primary Contacts may add new users.

1. Click “My Account” on the menu bar
2. Click “View Users” button
3. Click the “Add a New User” button
4. Enter the required information for the individual, select the applicable Contact type(s) and click the “Add a New User” button
 - The individual who is added by the Primary Contact will **not** receive automatic notification of his/her MFi Universal Sign-In; therefore, the Primary Contact is responsible for notifying the individual. The individual’s e-mail address is both the User ID and initial password.

How to Add ATS-Only Accounts

Only Primary Contacts may add ATS-only accounts.

If an individual outside of your company is authorized to submit ATS reports on your behalf (e.g., CM/ODM), he/she may use an ATS-only account. This individual will **not** be able to access the MFi Portal using this account. This Contact type will not appear on the “Contact Information” page in the “My Account” section of the Portal.

1. Click “My Account” on the menu bar
2. Click “View Users”
3. Click the “Add a New User” button
4. Enter the contact information for the individual, including a placeholder e-mail address which uses your company’s domain name - e.g., “atsonly@domainname.com.” Do **not** select a Contact type.
5. Click the “Add a New User” button.
6. Send an e-mail to your Account Specialist requesting an ATS-only account for this user. Once your Account Specialist completes configuration of this account, this user will be able to log in to ATS and submit ATS reports using the login credentials for this account.
 - This individual will **not** receive automatic notification of his/her ATS login credentials; therefore, the Primary Contact is responsible for notifying the individual. The individual’s e-mail address is both the User ID and initial password. The Primary Contact may [change this password](#) any time.

How to Delete Portal Users

Only Primary Contacts may delete Contacts.

1. Click “My Account” on the menu bar
2. Click “View Users” to see a list of all users
3. Click the “delete” icon next to the user you would like to delete

How to Designate MFi Contact Types

Only Primary Contacts may designate Contact types for other individuals.

1. Click “My Account” on the menu bar
2. Click “View Users”
3. Select the user for whom you would like to designate Contact types and click “Edit”
4. Select the Contact type(s) that apply to this individual and click the “Update” button

How to Designate/Change Your Own MFi Contact Type(s)

1. Click “My Account” on the menu bar to view your own contact information
2. Select the Contact type(s) that apply to you and click the “Update” button

How to Update the E-mail Address Associated with a Portal User

Only Primary Contacts may do this.

If the e-mail address of a Portal user changes, you must create a new Portal account for the individual, rather than overwrite the e-mail address associated with

the existing account. The e-mail address field cannot be edited in the Portal once a User ID is established. For instructions, please see [How to Add Portal Users](#).

How to Change Your Company's Primary Contact

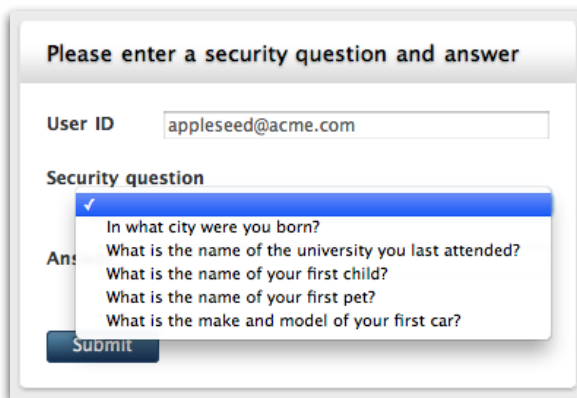
1. Send an e-mail request to your MFi Account Specialist

The contact information of your Account Specialist and Primary Contact is visible on any page of the Portal.

Password Resets and Changes

Security Question and Answer

When you log in to the Portal for the first time, it will prompt you to select a security question and answer. Select a question from the drop-down menu, enter your answer in the "Answer" field and click "Submit."

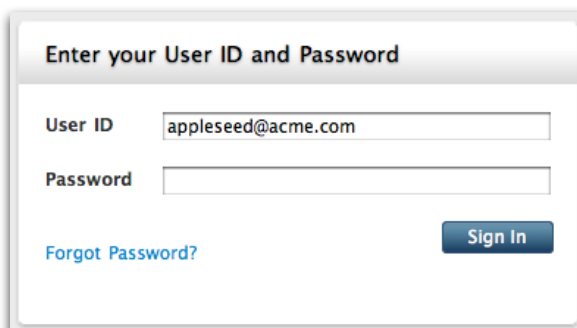


The screenshot shows a web form titled "Please enter a security question and answer". It contains a "User ID" field with the value "appleseed@acme.com". Below it is a "Security question" dropdown menu with a blue arrow icon. The dropdown is open, showing five options: "In what city were you born?", "What is the name of the university you last attended?", "What is the name of your first child?", "What is the name of your first pet?", and "What is the make and model of your first car?". The first option is selected. Below the dropdown is an "Answer" field. At the bottom of the form is a blue "Submit" button.

If you forget your password, you may use the password reset feature described in [How to Reset Your Password](#).

How to Reset Your Password

Go to <https://mfi.apple.com>, enter your User ID and click "Forgot Password?"



The screenshot shows a web form titled "Enter your User ID and Password". It contains a "User ID" field with the value "appleseed@acme.com" and a "Password" field. Below the password field is a blue "Sign In" button. To the left of the "Sign In" button is a blue link that says "Forgot Password?".

The Portal will prompt you to answer the security question you previously selected. Type your answer and click "Submit."

Please enter a security question and answer

User ID

Security question

Answer

Click “E-Mail” if you would like a temporary password to be sent to the e-mail address associated with your User ID. When you log in using this temporary password, the Portal will prompt you to reset it.

If You Forgot Password:

User ID

An e-mail containing your temporary password will be sent to the address specified under your User ID.

How to Change Your Password

All Contacts may change their own password at any time.

1. Click “My Account” on the menu bar
2. Click the “Change Password” button
3. Enter a new password, enter it again, then click the “Change Password” button

How to Change Passwords for Others

Only Primary Contacts may change passwords for other individuals.

1. Click “My Account” on the menu bar
 2. Click “View Users”
 3. Select a name from the list
 4. Click the “Edit” button
 5. Click the “Change Password” button
 6. Enter a new password and click “Save”
- Note: The individual whose password was changed by the Primary Contact will **not** receive automatic notification of this change; therefore, the Primary Contact will be responsible for notifying the individual.

Managing Your MFi License

Legal Documents

From time to time, Apple may require the execution of updated or new legal documents. These documents will be sent via e-mail to your company's Primary Contact. They must be signed by the appropriate signatory and remitted to Apple in a timely manner.

Changes Which May Impact Your Company's License

Promptly inform Apple of any change to your company's legal name, address, legal status or ownership (including ownership of your company's assets). Changes to any of the above may require execution of a new License by the new or surviving entity, and termination of the old License.

Termination of Your License

Please be advised that a Licensee's failure to fulfill contractual obligations and/or program requirements may result in the termination of their MFi License.

Procuring and Handling of Licensed Components

Overview

Avnet is the sole distributor of MFi Licensed Components, including authentication coprocessors, headphone remote control and mic system transmitter chips and 30-pin connectors. To learn how to establish your Avnet MFi account, please see the [Avnet](#) section. For detailed information about available Licensed Components, please see the Component Guide in the [Document Center](#).

Authorized Manufacturers

An Authorized Manufacturer is a contract manufacturer (CM) or other third party listed in an approved [Product Plan](#) which is authorized to act as a Licensee's agent to develop and/or manufacture MFi accessories for the Licensee. Your company must have an agreement in place with the Authorized Manufacturer requiring the protection of Apple Confidential Information; such Information should only be shared on a need-to-know basis. Licensees are responsible for ensuring that their Authorized Manufacturers handle Licensed Components and Licensed Technology in a secure manner.

Placing Orders

All components must be ordered through Avnet's MFi Web site: <http://mfi.avnet.com>. Only Licensees may place orders with Avnet after setting up a [credit account](#). You may order sample quantities of components and Accessory Test System (ATS) once you have established your [Avnet account](#). Neither Authorized Manufacturers nor any other third party may order components on a Licensee's behalf. Licensees may [drop-ship goods to an Authorized Manufacturer](#).

Lead Times and Pricing

Current lead times and pricing are available on the Avnet MFi Web site and are subject to change. It is critical that you place orders to the published lead time. Please [contact your Avnet representative](#) if you would like to request a pull-in. Apple is not a party to the purchase transaction between Avnet and Licensees.

Sample Components and ATS

You may order up to 100 pieces of any Licensed Component. Processing fees may apply. The default sample quantity on Avnet's procurement site is 20 units. If you wish to order a higher quantity, please indicate the desired quantity in the "Notes" section of the order form. Any sample order which requests more than 100 pieces of any component will be routed to your MFi Account Specialist for approval.

Since test results from [Accessory Test System](#) (ATS) must be submitted to Apple for most Licensed Products, it is recommended that you purchase ATS units early in the product development process.

Components for Mass Production

Licensees may order production quantities of a Licensed Component once Apple has approved a Product Plan which includes this component. Only components which have been selected on an approved Product Plan will be visible on the Avnet procurement site. If the components don't become available on the Avnet procurement site 2 business days after you have received notification of Product Plan approval from Apple, please [contact your Account Specialist](#).

Sales and Shipping Terms

All orders are Non-Cancelable and Non-Returnable. Incoterms may be Ex Works (EXW) or Free Carrier (FCA).

Ex Works

If you select "Customer Pickup" when you place your order, you must arrange for a freight forwarder or carrier to pick up the goods from Avnet's Hong Kong warehouse. Avnet cannot act as the Shipper. For goods leaving Hong Kong, please use your freight forwarder or an express freight provider such as DHL, FedEx or UPS.

For goods that will be delivered within Hong Kong, you will need to use the services of a local freight forwarder. If you do not have a freight forwarder in Hong Kong, you may contact either one of Avnet's forwarders:

APLL YANTAIN

Contact: Michelle Huang

Phone: +852 2302 7444

Fax: +755 2528 0764

U-Freight Limited

Contact: Matthew Chan

Phone: +852 2362 2201

E-mail: matthewc@ufreight.com

You will receive a Delivery Order (DO) notice from Avnet 48 hours before goods will be ready for pickup. Please provide the DO notice, along with a Letter of Authorization, to your freight forwarder. Your forwarder must bring both of these documents in order to collect the goods from Avnet. Goods must be picked up within 3 days after being made available.

Free Carrier

If you select "Ship using our carrier" when you place your order, Avnet's carrier will deliver goods to you or your Authorized Manufacturer. Ownership transfers to the Licensee when goods are delivered to the carrier. You will see the applicable shipping and processing fees as you finish placing your order.

Drop-Shipping to Authorized Manufacturers

You may drop-ship goods to an [Authorized Manufacturer](#) only if (1) this Manufacturer is listed on a Product Plan approved by Apple, **and** (2) the aforementioned Product Plan includes the Licensed Component(s) which will be handled by this Manufacturer.

Credit Card Payment Method

If your company does not set up a line of credit with Avnet, you may place orders for sample components and development tools by credit card. After adding the desired items to your shopping cart, click the “Place Order Now” button. You will be prompted to enter your credit card information.

How to Contact Avnet

Password Resets

Log in to the Avnet Web site using your MFi Universal Sign-In, which is the same as your MFi Portal user ID and password. If you do not remember your password, use the [password reset](#) feature of the MFi Portal, or contact your company’s MFi Primary Contact, who can also reset your password through the Portal.

Frequently Asked Questions

For additional information, please select “Info”>“General FAQs” on the menu bar of the Avnet Web site.

Contact Info

- MFI-CSConn@avnet.com
- Licensees who trade with Avnet Japan should contact MFI-JPNCSCConn@avnet.com

Reporting Potentially Defective Product

Send an e-mail to MFI-CSConn@avnet.com and copy your MFi Account Specialist. Avnet will provide you with forms to file a defective product claim.

Handling Licensed Technology

Overview

Licensees must ensure that its employees and [Authorized Manufacturers](#) handle, store and destroy Licensed Technology and Licensed Products in a secure manner. Apple recommends that Licensees require monthly or quarterly reconciliations from

all Authorized Manufacturers who handle Licensed Technology at the raw materials, Work-In-Progress (WIP) and Finished Goods Inventory (FGI) levels.

Destruction of Licensed Technology

Licensees are responsible for destroying Licensed Components (e.g., authentication coprocessors, remote and mic transmitter chips, 30-pin connectors) and Licensed Products in a secure manner according to Apple's guidelines. In addition, Licensees are responsible for reporting the destruction/scrap of Licensed Components/Products to Apple.

Destruction at Licensee's Site or Authorized Manufacturer's Site

For all Licensed Components and Licensed Products damaged irreparably during the ordinary course of business, the Licensee or their Authorized Manufacturer must maintain a log that includes: part number of Licensed Component and/or Licensed Product, quantity destroyed, date of destruction, reason for destruction. Destruction must be sufficient enough to render scrap material useless in any capacity. The log must be signed by a senior representative of the Licensee's or Authorized Manufacturer's management team, and the log must be maintained for a period of at least 3 years in accordance with the terms of the MFi License Agreement. Please see the "Sample Destruction Log" file in the "Licensing Forms" folder of the Document Center.

Destruction by a Third Party

For all Licensed Components and Licensed Products destroyed by a third party, an authorized certificate of destruction must be provided to the Licensee or its Authorized Manufacturer. The certificate must include the part number of Licensed Component and/or Licensed Product, quantity destroyed and date of destruction. Certificates of destruction must be maintained for a period of at least 3 years in accordance with the terms of the MFi License Agreement.

Unaccounted-for Licensed Technology

Licensees are liable for any unaccounted-for Licensed Components or Licensed Products in an amount equal to four dollars (US\$4) times the number of unaccounted for units. Licensees are also liable for the unaccounted-for Components/Products handled by their Authorized Manufacturers.

Product Plans

Overview

Licensees must submit a Product Plan for any accessory which will use Apple Licensed Technology. A Product Plan is an online form through which Licensees request approval for a Proposed Product. Product Plan sections include:

- General Product Info
- Hardware
- Dates & Manufacturers
- Licensed Components
- Forecast & Regions
- Final Review

Apple may provide feedback regarding the category fit of any Proposed Product and may decline it at its discretion.

Please submit your Product Plan well in advance of your anticipated production date, as you must factor in the review cycle and component procurement lead time.

Do not develop, manufacture or sell any products until you have received Apple approval.

Product Plan IDs and Product Suffixes

In the Portal, each of your company's Product Plans will be assigned a "Product Plan ID" (PPID). The PPID is comprised of your company's 6-digit MFi [account number](#) followed by a 4-digit product suffix.

- Example: Product Plan ID 123456-0001 means that your company's account number is "123456" and your product suffix is "0001."

Product Types and Product Uses

Account Type: Standard

If your company's [account type](#) is "Standard," the Product Plan will ask you to select from the following product types:

- **General** — An accessory that uses iPod Accessory Protocol (iAP).
- **Power only** — An accessory whose sole function will be to (a) supply power to and/or charge the internal battery of an iPod/iPhone/iPad; OR (b) act as a conduit to pass USB data signals, unaltered, between a computer or other Licensed Product and an iPod/iPhone/iPad. Requires an executed Power Only Supplement.
- **Headphone remote and mic** — A headphone or headphone adapter that implements Apple's headphone remote and mic system technology. Requires an executed Remote Control Supplement.

Account Type: CM

If your company's [account type](#) is "CM" (requires executed Contract Manufacturer Supplement), the Product Plan will ask you to select from the following product types:

- **CM General** — An accessory that uses iPod Accessory Protocol (iAP).
- **Power only** — An accessory whose sole function will be to (a) supply power to and/or charge the internal battery of an iPod/iPhone/iPad; OR (b) act as a conduit to pass USB data signals, unaltered, between a computer or other Licensed Product and an iPod/iPhone/iPad. Requires an executed Power Only Supplement.
- **Headphone remote and mic system** — A headphone or headphone adapter that implements Apple's headphone remote and mic system technology. Requires an executed Remote Control Supplement.

Account Type: Auto

If your company's Account type is "Auto" (requires an executed Automotive Supplement), you will only be able to submit Product Plans for Automotive products, which are defined as head units or head unit adapters that enable all of the following:

- Playback of high-quality audio from iPod/iPhone/iPad through the vehicle's head unit
- Command and control of iOS/iPod device
- Charging of iOS/iPod device directly by the vehicle

On Automotive Product Plans, you will select a "product use," rather than a "product type." Product uses include:

- **Commercial** — A product that will be (a) a factory install/factory option from an auto manufacturer; OR (b) sold as finished goods to retail channels and/or end users.
- **Reference Design** — Hardware and/or software that (a) implements at least a portion of Licensed Technology and/or enhances its use or performance, and (b) will be sold/distributed to another Licensee for use in connection with its Licensed Product.

Account Type: Adjunct

If your company's Account type is "Adjunct" (requires executed Adjunct Supplement), you will only be able to submit Product Plans for integrated circuits and reference designs.

Product Plan Status Definitions

- **Active** - The accessory will go into production and be sold, or has gone into production and is currently being sold.
- **Cancelled** - The accessory will not go into production and/or ever be sold.

- **On Hold** - The accessory is no longer under development or in production and has never been sold.
- **End of Life** - The accessory went into production and was sold, but is no longer being manufactured. Existing inventory may still be selling in or selling through.

Defining “Prototype” and “Production-Ready”

- **Prototype** — Product hardware and software are representative of the final product; slight changes to hardware and/or software may still be required.
- **Production-ready** — Product hardware and software are in their final form; no further changes to hardware or software are planned or anticipated. Production-ready samples must be representative of the final product which the end customer will use.

Combining Multiple SKUs on 1 Product Plan

Any family of SKUs which meets **all** of the following criteria may be included on the same Product Plan:

- Shares identical electrical design as it relates to Apple device connectivity
- Shares identical iAP design
- Shares identical industrial design
- Utilizes the same Apple Licensed Component(s)

You must list all of the applicable models/SKUs on your Product Plan.

Product Plans for App-Based Accessories

Defining “App-Based Accessory”

An app-based accessory is an MFi accessory that communicates with an iOS app using custom protocols via the 30-pin dock connector or Bluetooth. Custom protocols are implemented in accessories using iAP; custom protocols are implemented in iOS apps using the External Accessory framework.

App-based accessories do **not** communicate with apps using WiFi or other TCP/IP-based network protocols, nor do they communicate with apps using standard protocols such as Core Location, Core Audio or UIEvent remote control commands.

Guidelines

- The brand of the accessory hardware may be the same or different from the brand of the associated iOS app. For most product categories, multiple apps may work

with one hardware model and multiple hardware models may work with one app—regardless of the the brands associated with the hardware and the apps.

- The app may be a standalone app which can be used independently of the accessory hardware; similarly, the hardware may also be used independently of the app.
- App-based accessories must be compatible with both iPhone and iPod touch, unless the hardware is form-factor specific to one device. iPad compatibility is optional
- If the accessory supports iPad, the associated app must be an iPad application.
- Developers creating iOS apps must participate in the iOS Developer Program. The same developer may create both iOS apps and accessories by participating in the iOS Developer Program and MFi Program.

Adding Apps to a Product Plan

If you intend to develop an app-based accessory, you must add each iOS app that will communicate with the accessory to the Product Plan. App information requested on the Product Plan includes:

- Name, version number, planned release date
- App Store category
- Bundle Identifier
- Device protocol name(s)
- Functional overview
- Name of the developer that will submit the app

Apps that are not listed on your Product Plan will be rejected if submitted to the App Store.

How to Add Apps to a Previously-Approved Product Plan

If you would like to add an app to a Product Plan after it is approved by Apple but **before** it has completed certification, send the app information shown above to your Account Specialist via e-mail. If you would like to add an app to a Product Plan **after** the accessory has completed certification, you may submit a [Product Plan update](#).

How to Submit a Product Plan

1. Select “Product Plans” on the menu bar of the Portal, then click the “Add New Product” button.
2. Complete all required fields and sections of the Product Plan.

- The Portal will dynamically generate only those questions which are applicable to your Proposed Product, based on platforms supported and product type.
 - You may click the “Save” button to save your partially-completed Product Plan form.
3. Click “Submit” to submit your completed Product Plan to Apple. The “Submit” button will not be visible until all required data has been provided.
- You will receive e-mail confirmation that your Product Plan has been successfully submitted to Apple and the “Product Plan Status” page will reflect its status.

| Product Plan | | |
|-------------------------------|-----------------------|--------------------|
| Step | Status/Action | Last Change |
| Submit Product Plan | Complete | Submitted 05/02/11 |
| Receive Product Plan approval | Under review by Apple | - |

The Product Plan will also appear on the “View Product List” page in the “In Process” category.

| In Process | | | | | |
|-----------------------|----------------|------------------|------------------|-----------------------|--------------|
| Select a Product Plan | Display only: | All | Sort by: | Select Sorting Option | |
| Product Plan ID | Product Status | Self Cert Status | Packaging Status | SKU Number | Sell-in Date |
| 122232-0004 | Active | - | - | A400 | 2011-09-15 |

4. When your Product Plan is approved by Apple, the individual who submitted the Product Plan will receive e-mail confirmation and the “Product Plan Status” page will reflect its status.

| Product Plan | | |
|--------------------------------|-------------------------------|--------------------|
| Step | Status/Action | Last Change |
| Submit Product Plan | Complete | Submitted 05/02/11 |
| Receive Product Plan approval | Complete | Completed 05/02/11 |
| Update Product Plan (optional) | Submit update | |

The Product Plan will remain on the “View Product List” page in the “In Process” category.

| In Process | | | | | |
|-----------------------|----------------|------------------|------------------|-----------------------|--------------|
| Select a Product Plan | Display only: | All | Sort by: | Select Sorting Option | |
| Product Plan ID | Product Status | Self Cert Status | Packaging Status | SKU Number | Sell-in Date |
| 122232-0003 | Active | Requested | Requested | A300 | 2011-07-15 |

5. You may now begin product development and order production quantities of the Licensed Component(s) selected on the approved Product Plan.
- Components which have been selected on an approved Product Plan will be available for mass-production orders on the Avnet procurement Web site 1-2 days after Product Plan approval.

To view sample Product Plan forms, please go to the [Licensing Forms](#) folder the Document Center.

How to Copy a Product Plan

The Portal enables you to copy/duplicate existing Product Plans so that you may easily submit new Product Plans which are similar to existing ones. **Copied/duplicated Product Plans still require approval from Apple.** When using this feature, it is critical that you carefully review each field on the duplicated Product Plan form to ensure that it is accurate for the new accessory covered by this Product Plan.

1. Click “Product Plans” on the menu bar, then click the Product Plan you would like to duplicate.
2. Click the “Copy Product Plan” button that appears on the top right corner of the “Product Plan Status” page. The Portal will create an exact duplicate of the Product Plan featured on this page.
3. Review each field on the duplicate Product Plan form and make the necessary revisions.
4. On the “Final Review” page, upload the required sketch/diagram, click each of the Licensee statements, then click the “Submit” button.

Tracking Product Plans

View Product List

When you click “Product Plans” on the menu bar of the MFi Portal, the default page is the “View Product List” page which lists of all of your company’s Product Plans, grouped by categories.

View Product List

▼ Not Yet Submitted

Select a Product Plan

Sort by:

Select Sorting Option

| Product Plan ID | Product Status | Self Cert Status | Packaging Status | SKU Number | Sell-in Date |
|-----------------|----------------|------------------|------------------|------------|--------------|
| -- | Active | - | - | A600 | -- |

▼ In Process

Select a Product Plan

Display only:

All

Sort by:

Select Sorting Option

| Product Plan ID | Product Status | Self Cert Status | Packaging Status | SKU Number | Sell-in Date |
|-----------------|----------------|------------------|------------------|------------|--------------|
| 122232-0004 | Active | Requested | Requested | A400 | 2011-09-15 |
| 122232-0005 | Active | - | Requested | A500 | 2011-10-01 |

▼ In Production

Select a Product Plan

Display only:

All

Sort by:

Select Sorting Option

| Product Plan ID | Product Status | Self Cert Status | Packaging Status | SKU Number | Sell-in Date |
|-----------------|----------------|------------------|------------------|------------|--------------|
| 122232-0001 | Active | Complete | Complete | A100 | 2011-06-01 |
| 122232-0002 | Active | Complete | Complete | A200 | 2011-06-15 |
| 122232-0003 | Active | Complete | Requested | A300 | 2011-07-15 |

You may collapse any category on the page by clicking the disclosure triangle next to the header name. Click the disclosure triangle again to view all of the Product Plans in the category.

“Not Yet Submitted” Category

Product Plans shown under this header are saved Product Plans which have not yet been submitted to Apple. You may click a Product Plan in this category to continue working on it, or click the “delete” icon next to it to delete the saved Product Plan.

If you have multiple items in this category, you may sort them by selecting a sorting option (product status or model/SKU) in the “Sort by” drop-down menu.

▼ Not Yet Submitted

Select a Product Plan

Sort by:

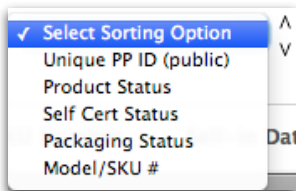
Select Sorting Option

| Product Plan ID | Product Status | Self Cert Status | Packaging Status | SKU Number | Sell-in Date |
|-----------------|----------------|------------------|------------------|------------|--------------|
| -- | Active | - | - | A600 | -- |
| -- | Active | - | - | A700 | -- |

“In Process” Category

Product Plans shown under this header have either been (1) submitted and under review by Apple or (2) approved by Apple and in process of completing certification. You may click a Product Plan in this category to view its “Product Plan Status” page and/or to complete any required certification steps.

If you have multiple items in this category, you may sort them by selecting a sorting option in the “Sort by” drop-down menu. Once you select a sorting option, you may alter the sort order (A to Z, Z to A) by clicking either arrow (“^” or “v”) which appears next to the sorting options.



You may also select which Product Plans are shown under this category by selecting a display option under the “Display only” drop-down menu (select the desired [Product Plan status](#)).

▼ In Process

Select a Product Plan Display only: Sort by:

| Product Plan ID | Product Status | Self Cert Status | Packaging Status | SKU Number | Sell-in Date |
|-----------------|----------------|------------------|------------------|------------|--------------|
| 122232-0005 | Active | - | Requested | A500 | 2011-10-01 |
| 122232-0004 | Active | Requested | Requested | A400 | 2011-09-15 |

“In Production” Category

Product Plans shown under this header have completed certification. Some of these Product Plans may still require submission of packaging materials. If this is the case, the “Packaging Status” will show as “Requested.” You may click a Product Plan in this category to view its “Product Plan Status” page and/or to complete any required certification steps.

If you have multiple items in this category, you may sort them by selecting a sorting option in the “Sort by” drop-down menu. If you have multiple items in this category, you may sort them by selecting a sorting option in the “Sort by” drop-down menu. Once you select a sorting option, you may alter the sort order (A to Z, Z to A) by clicking either arrow (“^” or “v”) which appears next to the sorting options.

You may also select which Product Plans are shown under this category by selecting a display option under the “Display only” drop-down menu (select the desired [Product Plan status](#)).

▼ In Production

Select a Product Plan Display only: Sort by:

| Product Plan ID | Product Status | Self Cert Status | Packaging Status | SKU Number | Sell-in Date |
|-----------------|----------------|------------------|------------------|------------|--------------|
| 122232-0003 | Active | Complete | Requested | A300 | 2011-07-15 |
| 122232-0002 | Active | Complete | Complete | A200 | 2011-06-15 |
| 122232-0001 | EndOfLife | Complete | Complete | A100 | 2010-09-15 |

Note: Any app that communicates with an app-based accessory must be approved by the App Store before selling in.

“Product Plan Status” Page

When you click a specific Product Plan in the “In Process” category, you will see a “Product Plan Status” page which will guide you through the MFi “lifecycle” of the accessory, including Product Plan approval and updates, certification and recertification, and packaging self-certification. The “Product Plan Status” page will highlight in yellow the step(s) that are required (or available at the Licensee’s option) at any given time in the process. Each phase shown on this page is described in detail in the relevant section of the Licensing Handbook.

Product Plan Status

Accessory 100

Model/SKU: A100

Product Type: General

Product Plan ID: 122232-0001 ([View Product Plan](#))

Self-cert LAB: 3rd Party Test Lab Only

Copy Product Plan

Product Plan

| Step | Status/Action | Last Change |
|--------------------------------|---------------|--------------------|
| Submit Product Plan | Complete | Submitted 04/27/11 |
| Receive Product Plan approval | Complete | Completed 04/20/11 |
| Update Product Plan (optional) | N/A | |

Prototype Self Certification

Proto Self Certification is not applicable for your product plan.

ATS

| Step | Status/Action | Last Change |
|-------------------|---------------|--------------------|
| Submit ATS Report | Complete | Completed 04/20/11 |

Device Production-ready Self-Certification

| Step | Status/Action | Last Change |
|--|---------------|--------------------|
| Submit Self-Certification form | Complete | Submitted 04/20/11 |
| Select Lab | - | - |
| Print shipping label | - | Downloaded |
| Complete TDMA Testing | Complete | Completed 04/25/11 |
| Complete TDMA Testing - iPhone4 | Complete | Completed 04/25/11 |
| Complete OTA Testing | N/A | - |
| Ship production-ready samples | Complete | Received 04/27/11 |
| Receive confirmation of certification completion | Complete | Completed 04/27/11 |

Packaging

| Step | Status/Action | Last Change |
|---------------------------------------|------------------------------|-------------|
| Submit packaging materials | Complete | Submitted |
| Receive packaging approval | Complete | Completed |
| Submit additional packaging materials | Upload files | - |

Update Approved Product Plan

| Step | Status/Action | Last Change |
|--------------------------------------|-------------------------------|-------------|
| Product Plan update | Submit update | - |
| Re-Submit ATS Report | - | - |
| Re-Submit Self-Cert | - | - |
| Complete TDMA testing - iPhone 4 | N/A | 04/25/11 |
| Receive Product Plan update approval | - | - |

The “Product Plan Status” page features context-sensitive “information” icons which will indicate when all required steps for a specific section are complete.

- Example 1: Production-ready certification is not yet complete:

Device Production-ready Self-Certification

| Step | Status/Action | Last Change |
|--------------------------------|--------------------------|--------------------|
| Submit Self-Certification form | Complete | Submitted 05/11/11 |
| Select Lab | Complete | RFI - Europe |
| Print shipping label | Download | - |

Production may begin after all certification steps are complete.

- Example 2: Production-ready certification is complete:

| ▼ Device Production-ready Self-Certification | | | i |
|--|---------------|----------------------|----------------------------------|
| Step | Status/Action | Last Change | |
| Submit Self-Certification form | Complete | Submitted 04/28/2014 | All required steps are complete. |
| Select Lab | - | - | |
| Print shipping label | - | Downloaded | |

How to Search for Product Plans

You may search for Product Plans by product name, description, model/SKU number, or platforms supported (i.e., iPod, iPhone, iPad).

1. Click “Product Plans” on the menu bar, then click the “Search Products” link.

Search Products

Search by:

✓

Product name

Product description

Model/SKU number

Platform(s)

Search Products

2. Select a search parameter from the drop-down menu, type or select the parameter value and click the “Search Products” button.

Search by:

Model/SKU number

Parameter value:

A100

(partial match search)

If you type a parameter, the Portal will enable you to perform wildcard search using an asterisk (*). Including an asterisk in your search term uses a wildcard for 1 or more characters. In the example below, the search results will include Product Plans with the SKUs A100, A200, A300, etc.

Search by:

Model/SKU number

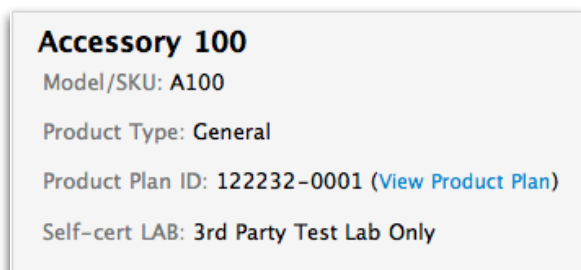
Parameter value:

A*00

(partial match search)

How to View a Previously-Approved Product Plan

1. Click “Product Plans” on the menu bar. Select a specific Product Plan from the list of Product Plans.
2. On the “Product Plan Status” page, click “View Product Plan.”



3. You will see a read-only version of your Product Plan form, which is the same view as the “Final Review” at Product Plan submission.

Updating Product Plans

How to Update a Previously-Approved Product Plan Before Completion of Certification

You may revise certain fields on previously-approved Product Plans before the accessory covered in the Product Plan completes the certification process.

1. Click “Product Plans” on the menu bar and select a specific Product Plan from the list of Product Plans.
2. On the “Product Plan Status” page, click “Submit update” next to “Update Product Plan (optional).”

A screenshot of a table titled 'Product Plan' with a dropdown arrow and an information icon. The table has three columns: Step, Status/Action, and Last Change. It contains three rows of data.

| Step | Status/Action | Last Change |
|--------------------------------|-------------------------------|--------------------|
| Submit Product Plan | Complete | Submitted 04/20/11 |
| Receive Product Plan approval | Complete | Completed 04/20/11 |
| Update Product Plan (optional) | Submit update | |

3. Input the requested updates. Updates to previously-approved Product Plans are limited to the following:
 - Add/revise models/SKUs
 - Revise MSRP
 - Revise development date(s) and/or sell-in date

Product Plan Update

Product name: Accessory 200

Product type: General

Apple and 3rd Party Test Lab

Product Plan ID: 122232-0002

Model/SKU: A200

General Product Information

Selected platform(s)

☒ Made for iPhone
 ☒ Made for iPod
 ☒ Made for iPad

New model/SKU #:

A200

New MSRP (USD):

100

New Production-ready hardware submission date

05/01/2011

New Sell-in date

06/01/2011

Cancel

Submit

Making Product Plan revisions other than the ones above will generally require submission of a new Product Plan.

Note: If you would like to add an app to your Product Plan at this stage, send the [app information](#) that is normally requested on the Product Plan to your Account Specialist via e-mail.

- Click “Submit.” The Product Plan information in the Portal will be automatically updated.

Note: If you need to change the [status of a Product Plan](#), please contact your Account Specialist.

How to Update a Previously-Approved Product Plan After Completion of Certification

You may update/revise certain fields on previously-approved Product Plans after the accessory covered in the Product Plan completes the certification process.

- Click “Product Plans” on the menu bar and select a specific Product Plan from the list of Product Plans.
- On the “Product Plan Status” page, click “Submit update” next to “Product Plan update” under the “Update Approved Product Plan” section.

| Update Approved Product Plan | | |
|--------------------------------------|-------------------------------|-------------|
| Step | Status/Action | Last Change |
| Product Plan update | Submit update | – |
| Re-Submit ATS Report | – | – |
| Re-Submit Self-Cert | – | – |
| Complete TDMA testing – iPhone 4 | N/A | 05/03/11 |
| Receive Product Plan update approval | – | – |

3. Input your requested updates on the “Product Plan Update” form. The form will show your previously-approved data in certain fields and you may overwrite them as needed. Updates to previously-approved Product Plans are limited to the following
- Add additional models/SKUs
 - Revise MSRP
 - Add new Apple models with which you intend to claim compatibility (requires [recertification](#))
 - Remove or add Authorized Manufacturers
 - (App-based accessories only) Add/revise iOS app(s)

Product Plan Update

Product name: Accessory 100

Product type: General

3rd Party Test Lab Only

Product Plan ID: 122232-0001

Model/SKU: A100

General Product Information

Selected platform(s)

☒ Made for iPhone

☒ Made for iPod

☒ Made for iPad

New model/SKU #:

A100

New MSRP (USD):

99.95

Please specify the models which will be supported by your accessory.

You will be required to complete self-certification for each supported model

☒ iPod touch (4th generation)

☒ iPod touch (3rd generation)

☒ iPod touch (2nd generation)

☒ iPod touch (1st generation)

☐ iPod classic

☐ iPod with video

☒ iPod nano (6th generation)

☒ iPod nano (5th generation)

☒ iPod nano (4th generation)

☒ iPod nano (3rd generation)

☒ iPod nano (2nd generation)

☒ iPod nano (1st generation)

☒ iPhone 4

☒ iPhone 3GS

☐ iPhone 3G

☐ iPhone

☒ iPad

☒ iPad 2

☐ iPod shuffle (4th generation)

☐ iPod shuffle (3rd generation)

☐ iPod shuffle (2nd generation)

☐ iPod shuffle (1st generation)

☐ iPod with color display

☐ iPod mini

☐ iPod with dock connector

☐ iPod with Click Wheel

☐ iPod

(Screen shot of “Product Plan Update” form continued on next page)

(Screen shot of “Product Plan Update” form continued from previous page)

New Production-ready hardware submission date: 05/01/2011

New Sell-in date: 06/01/2011

Authorized Manufacturers

Please list the contract manufacturer(s) who will be developing and/or manufacturing the product(s) covered in this Product Plan. The Licensee must have an agreement in place with the Authorized Manufacturer requiring the protection of Apple Confidential

Company Name: New Best Accessory

Web Site: www.newbestaccessory.com

Contact Person: Jane Doe

Phone #: +86 775 86375000

E-mail: jane@newbestaccessory.com

Street Address: 1 Industrial Rd.

City: Shenzhen

State / Province: Guangdong

Zip / Postal Code: 518057

Country: China

Remove This Manufacturer

Add Another Manufacturer

Cancel Submit

Note: Do not enter new dates (e.g., sell-in or production-ready submission date) if the accessory has already begun selling in.

If you add any additional Apple models with which the accessory will be compatible, the accessory will need to [complete recertification](#).

Making Product Plan revisions other than the ones above will generally require submission of a new Product Plan.

4. Click “Submit.” You will receive a confirmation e-mail once the Product Plan updates are approved and the Product Plan information in the Portal will be updated.

Keeping Your Product Plans Up-to-Date

Development and Sell-In Dates

Should your development date(s) or sell-in date change, you must update your Product Plan(s) through the Portal to remain in compliance with your MFi License. Development dates vary by product type; examples include:

- Sell-in date
- Production-ready hardware submission date
- Prototype hardware submission date

For instructions on how to revise development dates, please see [How to Update a Previously-Approved Product Plan Before Completion of Certification](#) or [How to Update a Previously-Approved Product Plan After Completion of Certification](#).

Product Plan Status

If you need to change your [Product Plan status](#), please contact your Account Specialist.

Certification

Overview

MFi certification is a self-certification program whereby the Licensee certifies that each of its accessories complies with the MFi technical specifications and passes any certification tests specified by Apple. The accessory covered in an approved Product Plan must complete all required certification steps before going into production or selling in.

The following table summarizes the standard certification requirements by product type at this time. There may be variations depending on the specific accessory and platforms supported (i.e., iPod, iPhone, iPad).

Table 1: Certification Requirements by Product Type

| Product Type | Prototype Certification | ATS Report ¹ | TDMA Testing ² | 3 rd -Party OTA Testing | Prod-Ready Certification |
|---|-------------------------|-------------------------|---------------------------------|------------------------------------|--------------------------|
| General (including app-based accessories) | No | Yes | Yes - 3 rd party | Optional | Yes |
| General - iAP over Bluetooth | Yes | No | Yes - self-certify ³ | No | Yes |
| Power only | No | Yes | No | Optional ⁴ | Yes |
| Headphone remote and mic system | No | No | Yes - 3 rd party | No | Yes |
| Auto - OEM | No | Yes | Yes - self-certify ³ | No | Yes |
| Auto - Aftermarket | No | Yes | Yes - 3 rd party | No | Yes |

¹See [Table 2: ATS Requirement by Product Description](#).

²TDMA testing is not required for accessories which do not handle audio or video in any way. For General accessories which use an existing reference design, third-party TDMA testing is not required if the reference design accessory has previously completed this requirement.

³Licensee self-certifies per the specifications and submits appropriate documentation to the Apple Self-Cert Lab.

⁴3rd-party OTA testing is required for form-fitting battery packs.

To see certification process flows for various product types, please see [Appendix A](#).

You may track the status of a product through the certification process on the “Product Plans” page of the Portal. For more information, please see [Tracking Product Plans](#).

Accessory Test System (ATS)

ATS is a development tool for most MFi accessories. For such accessories, submission of a passing ATS report using the ATS Accessory Certification Assistant is a required step of MFi Certification. ATS requires an Intel-based Mac running Mac OS X v10.6 or later. ATS units are available for [purchase through Avnet](#). The ATS Installation Guide and User Manual and ATS Software are available in the Document Center. The Installation Guide and User Manual are also accessible in ATS under the “Help” menu.

The table below summarizes which accessories require ATS test results as part of the certification process.

Table 2: ATS Requirement by Product Description

| Product Description | ATS Required? |
|--|---------------|
| 30-pin connector-based accessories | Yes |
| iAP over Bluetooth accessories (no 30-pin connector) | No |
| Sync cables | No |
| Remote and mic headphones and headphone adapters | No |

Table 3: ATS Equipment List

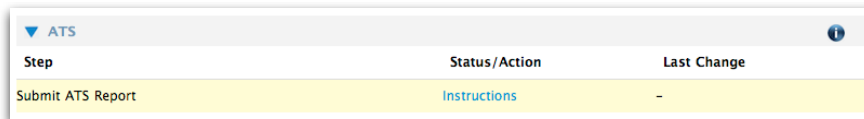
| Item | Where to Purchase/Obtain |
|---|----------------------------|
| Intel-based Mac running Mac OS X v10.6 or later | Any authorized reseller |
| ATS unit | Avnet |
| ATS application | MFi Portal Document Center |
| 30-pin - USB breakout board ¹ | Avnet |
| Total Phase Beagle 480 USB protocol analyzer ¹ | Avnet |
| USB hub ¹ | Avnet |

¹Only required if testing a 30-pin connector-based accessory which uses iAP over USB.

How to Submit an ATS Report

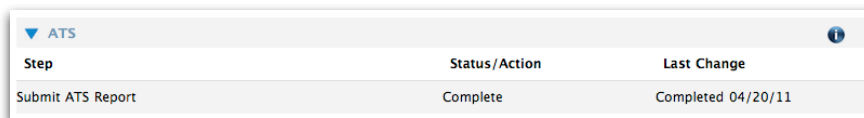
ATS reports may only be submitted after your Product Plan is approved by Apple.

1. The “Product Plan Status” page will indicate when an ATS report is required.



| ▼ ATS ⓘ | | |
|-------------------|------------------------------|-------------|
| Step | Status/Action | Last Change |
| Submit ATS Report | Instructions | - |

2. Log in to the ATS Accessory Certification Assistant using your MFi Universal Sign-In.
 - You can retrieve your password at any time using the password retrieval option in ATS; this option appears when ATS prompts you to log in.
3. When the Certification Assistant displays the list of accessories for which you have an approved Product Plan, select the accessory you would like to test.
 - If you have previously submitted test results for a particular accessory, it will no longer appear on the list.
4. Submit test results to Apple. Once your ATS report is submitted, the “Submit ATS Report” step on the “Product Plan Status” page in the Portal will show as “Complete.”



| ▼ ATS ⓘ | | |
|-------------------|---------------|--------------------|
| Step | Status/Action | Last Change |
| Submit ATS Report | Complete | Completed 04/20/11 |

Third-Party Testing

Third-party testing by an authorized test lab is part of the MFi production-ready certification process for most accessories. Apple’s third-party test facilities are authorized to perform TDMA testing and OTA (Over-the-Air) testing for MFi accessories. In addition, some labs are empowered to perform accessory compliance verification for certain accessories under the “One Touch” model. The services offered by each lab vary and are subject to change. The “MFi Authorized Test Labs” document in the Document Center provides contact information for each test lab and summarizes their available services at this time.

You may initiate third-party testing after your Product Plan is approved by Apple and you have [submitted an ATS report](#). At the appropriate stage of certification, the Portal will prompt you to select an authorized test lab to perform any necessary third-party testing for your accessory. Please contact the selected lab directly for a quote and/or to schedule testing. For more information, please see [Complete Third-Party Testing](#) in the “Production-Ready Certification” section of the Licensing Handbook.

TDMA Noise Testing

TDMA testing ensures that an accessory does not produce an excessive level of audible TDMA noise. As shown in [Table 1](#), most accessories which support iPhone and/or iPad and handle audio or video require TDMA noise testing by an authorized third-party test facility. Your accessory must successfully pass TDMA testing prior to submission of production-ready certification materials.

Warning Dialog

A legacy accessory which supports iPod only and has not completed TDMA testing will trigger a warning dialog on the screen of the iPhone/iPad when the end user connects the accessory to an iPhone/iPad. This warning dialog will appear each time the accessory is connected to an iPhone/iPad.

TDMA Test Plans

iPhone 4, iPad and iPad 2 are considered one platform for TDMA testing purposes. iPhone, iPhone 3G and iPhone 3GS are considered another platform. Each platform has its own TDMA test plan.

TDMA Testing for iPhone-Compatible Accessories

In order to use the “Made for iPhone” logo and claim compatibility with iPhone 4 (including use of the iPhone 4 compatibility icon), an accessory must pass two separate TDMA tests: one with iPhone 4 and another with iPhone 3GS. If the accessory passes one TDMA test but not the other, the “Made for iPhone” logo may not be used in conjunction with the accessory. An accessory which is form-factor specific to either iPhone 4 only or iPhone 3GS only only needs to pass the one applicable TDMA test.

TDMA Testing for iPad-Compatible Accessories

For Product Plans submitted on or after May 10, 2011, 30-pin connector-based accessories which are compatible with iPad models only or with iPad models and iPod models only must pass TDMA testing in order to use the “Made for iPad” logo.

TDMA Testing for Headphone Remote and Mic Accessories

For Product Plans submitted on or after May 10, 2011, remote and mic system products require TDMA testing by an authorized test lab. To determine which lab(s) can perform TDMA testing for remote and mic accessories, please see the “MFi Authorized Test Labs” document in the Document Center.

TDMA Testing for Auto Accessories

For Product Plans submitted on or after May 10, 2011, aftermarket automotive head units require TDMA testing by an authorized test lab. To determine which lab(s) can perform TDMA testing for aftermarket automotive accessories, please see the “MFi Authorized Test Labs” document in the Document Center.

OEM head units and head unit adapters require TDMA testing by the Licensee. For such accessories, you must complete the “TDMA Noise Test for Automotive Head Units” described in the specifications, then upload the test results (e.g., spectrum analyzer screen shots) when you [submit your Self-Cert form](#) through the Portal.

TDMA Testing Exemptions

The following types of accessories are exempt from the TDMA testing requirement at this time:

- No audio or video output
- iAP over Bluetooth
- Too large to be accommodated in a testing chamber. If you believe this applies to your accessory, contact your Account Specialist; if appropriate, Apple will provide a waiver in writing

OTA Testing

OTA (Over-the-Air) testing ensures that the accessory does not interfere with cellular reception when connected to an iPhone or iPad.

iPhone 4, iPad and iPad 2 are considered one platform for OTA testing purposes. iPhone, iPhone 3G and iPhone 3GS are considered another platform. Each platform has its own OTA test plan.

At this time, OTA testing is optional for accessories that support iPhone; it is not required for accessories that support only iPad and/or iPod. However, OTA testing is required for form-fitting battery packs.

Accessory Compliance Verification

Accessory compliance verification is part of the MFi production-ready certification process and entails one of the following, depending on the accessory type:

- An authorized test lab performs basic test procedures to confirm that the accessory complies with the MFi specifications (One Touch model)
- The Apple Self-Certification Lab performs a random audit to confirm that an accessory complies with the MFi specifications

One Touch Model

The One Touch model empowers Apple's authorized test labs to perform accessory compliance verification. Apple is rolling out this model in phases based on

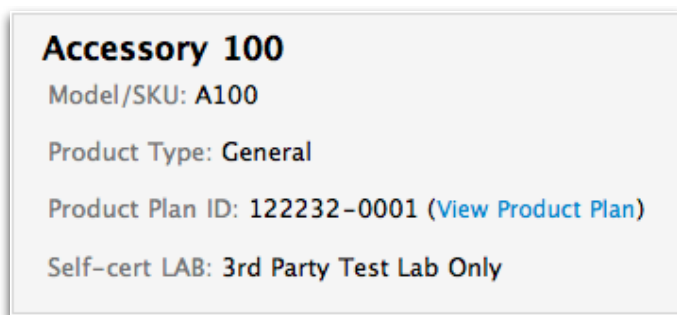
accessory functionality. The table below summarizes which accessories require use of the One Touch model at this time. The types of products which require the One Touch model is subject to change.

Table 3. One Touch Requirement by Product Description

| Product Description | One Touch Model Required? |
|---|---------------------------|
| App-based accessories | No |
| Automotive OEM accessories (head units/head unit adapters) | No |
| iAP over Bluetooth accessories | No |
| Accessories which use any of these authenticated features: Accessibility, iPod Out, Nike + iPod | No |
| All other accessories | Yes |

How the Portal Indicates When One Touch is Required

The Portal will indicate if your accessory requires the One Touch model. Click “Product Plans” on the Portal menu bar and select a Product Plan from the list of “In Process” Product Plans. The area near the top of the “Product Plan Status” page will indicate if One Touch is required for this accessory. The text “3rd Party Test Lab Only” on the “Product Plan Status” page means that One Touch is required for this accessory.



Conversely, the text “Apple and 3rd Party Test Lab” on the “Product Plan Status page” means that One Touch is **not** required for this accessory.

Accessory 200

Model/SKU: A200

Product Type: General

Product Plan ID: 122232-0002 ([View Product Plan](#))

Self-cert LAB: Apple and 3rd Party Test Lab

What it Means when One Touch is Required

If the One Touch model is required and your accessory requires TDMA and/or OTA testing, the accessory must complete (1) TDMA and/or OTA testing at an authorized test lab and (2) accessory compliance verification at the same test lab that performs TDMA and/or OTA testing. The lab will use the same set of production-ready samples.

If the One Touch model is required and your accessory does **not** require TDMA and/or OTA testing, the accessory must complete accessory compliance verification at an authorized test lab.

Once your Product Plan is approved, select an authorized test lab and contact them directly for information regarding pricing and logistics for the appropriate service(s). Then ship one set of production-ready materials directly to the lab. A list of authorized labs is available on the “MFi Authorized Test Labs” document in the “Technical Reference” folder in the Document Center.

What it Means when One Touch is Not Required

If the One Touch model is **not** required and your accessory requires TDMA and/or OTA testing, the accessory must complete (1) TDMA and/or OTA testing at an authorized test lab and (2) accessory compliance verification at the Apple Self-Certification Lab.

Once your Product Plan is approved, select an authorized test lab and contact them directly for information regarding pricing and logistics for the appropriate service(s). Then ship one set of production-ready materials directly to the lab. A list of authorized labs is available on the “MFi Authorized Test Labs” document in the “Technical Reference” folder in the Document Center. Once the accessory has passed the necessary TDMA and/or OTA testing, you will ship another set of production-ready materials to the Apple Self-Certification Lab.

If the One Touch model is **not** required and your accessory does **not** require TDMA and/or OTA testing, ship one set of production-ready materials to the Apple Self-Certification Lab.

For more information on how to complete third-party testing in the Portal, please see [Complete Third-Party Testing](#).

Production-Ready Certification

Overview

As shown in [Table 1](#), all product types require submission of production-ready certification materials. The production-ready certification phase follows submission of a passing ATS report. In brief, this phase entails the following:

- Submit a completed Self-Certification form
- Complete TDMA and/or OTA testing (if required)
- Complete accessory compliance verification
- Receive e-mail confirmation once all certification steps are complete

You may begin mass production once the accessory has completed production-ready certification. Packaging may be manufactured only after you [submit packaging self-certification materials](#) and the packaging status shows as “Complete” in the Portal.

The “Product Plan Status” page in the Portal groups the Self-Certification form, TDMA/OTA testing and accessory compliance verification (whether performed by a test lab or the Apple Self-Certification Lab) under the heading “Device Production-Ready Self-Certification” (see screen shots in the following section).

Production-ready samples are catalogued and stored by Apple. If an authorized test lab performs accessory compliance verification, the samples will be shipped to Apple for this purpose. Due to the volume of products received, Apple is unable to return any samples.

How to Complete Production-Ready Certification

Accessory Compliance Testing by Licensee

1. Test your accessory to ensure that it meets the MFi accessory specifications, passes all applicable tests on the Self-Certification form and is compatible with each model with which you will be claiming compatibility.

Submit a Self-Cert Form

1. Click “Product Plans” on the menu bar and select a specific Product Plan from the list of Product Plans.
2. On the “Product Plan Status” page, click “Complete form” next to “Submit Self-Certification form.”

| ▼ Device Production-ready Self-Certification ⓘ | | |
|--|---------------|-------------|
| Step | Status/Action | Last Change |
| Submit Self-Certification form | Complete Form | - |
| Select Lab | - | - |
| Print shipping label | - | - |
| Complete TDMA Testing | - | - |
| Complete TDMA Testing - iPhone4 | - | - |
| Complete OTA Testing | - | - |
| Ship production-ready samples | - | - |
| Receive confirmation of certification completion | - | - |

3. Complete all sections and tests on the form which apply to the accessory covered in the Product Plan. Click “Submit.” The “Product Plan Status” page will be updated accordingly.

| ▼ Device Production-ready Self-Certification ⓘ | | |
|--|---------------|--------------------|
| Step | Status/Action | Last Change |
| Submit Self-Certification form | Complete | Submitted 04/20/11 |

Complete Third-Party Testing

1. Select an authorized test lab which will perform any necessary third-party testing (i.e., TDMA testing, OTA testing, accessory compliance verification). Contact the lab directly for a quote and/or to schedule testing. For a list of test facilities and their services, please see the “MFi Authorized Third-Party Test Labs” document in the Document Center.
 - (For app-based accessories only) If your app-based accessory requires third-party TDMA testing, ask your selected lab for the Unique Device ID (UDID) of each iPhone model to be used during testing. Add the UDIDs provided by the lab to your iOS application’s associated provisioning profile. For information on how to add UDIDs to a provisioning profile, go to the iPhone Dev Center on the Apple Developer Web site: <http://developer.apple.com>.
2. On the “Product Plan Status” page, click “Select Lab.” Select your desired test lab and click “Done.”

| ▼ Device Production-ready Self-Certification ⓘ | | |
|--|---------------|--------------------|
| Step | Status/Action | Last Change |
| Submit Self-Certification form | Complete | Submitted 04/20/11 |
| Select Lab | Select Lab | - |
| Print shipping label | - | - |
| Complete TDMA Testing | - | - |
| Complete TDMA Testing - iPhone4 | - | - |
| Complete OTA Testing | - | - |
| Ship production-ready samples | - | - |
| Receive confirmation of certification completion | - | - |

- **Accessories eligible for [One Touch](#):** The test labs which are authorized to perform

accessory compliance verification and any necessary TDMA/OTA testing will appear on this page.

- **Accessories not eligible for One Touch:** The test labs which are authorized to perform any necessary TDMA/OTA testing will appear on this page. Once you select a lab, you will not be able to change it.
3. Click “Download” next to “Print shipping label” and print 2 copies of each label.

| | | |
|--|-------------------------------------|--------------------|
| Submit Self-Certification form | Complete | Submitted 04/20/11 |
| Select Lab | Complete | RFI - Europe |
| Print shipping label | Download | - |
| Complete TDMA Testing | Instructions | - |
| Complete TDMA Testing - iPhone4 | Instructions | - |
| Complete OTA Testing | N/A | - |
| Ship production-ready samples | Enter tracking info | - |
| Receive confirmation of certification completion | - | - |

If your accessory requires the One Touch model, only 1 shipping label will be provided. If your accessory does not require One Touch, 2 shipping labels will be provided.



Each shipping label will be populated with the relevant Product Plan details and the appropriate ship-to address.

Note: The “Print shipping label” and “Ship production-ready samples” line items will remain highlighted on the “Product Plan Status” page until all certification steps are complete.

4. Ship a complete set of production-ready materials to the lab, including:
- 2 copies of the shipping label: 1 copy inside the shipping box and 1 copy affixed to the outside of the shipping box
 - 2 [production-ready](#) units
 - All power supplies, cables, connectors, wiring, remote controls and dock inserts needed to operate the product
 - All components of the entire solution, if the product is one component of the solution (e.g., AV receiver for a home theater system)
 - User manual and/or instructions for operating the product
 - (App-based accessories only) A CD which contains a functional version of the app
5. When the test lab has performed the applicable testing/services for your accessory, results will be uploaded to the MFi Portal and reflected on the “Product Plan Status” page.

| Device Production-ready Self-Certification | | |
|--|-------------------------------------|--------------------|
| Step | Status/Action | Last Change |
| Submit Self-Certification form | Complete | Submitted 04/20/11 |
| Select Lab | Complete | RFI - Europe |
| Print shipping label | Download | - |
| Complete TDMA Testing | Complete | Completed 04/25/11 |
| Complete TDMA Testing - iPhone4 | Complete | Completed 04/25/11 |
| Complete OTA Testing | N/A | - |
| Ship production-ready samples | Enter tracking info | - |
| Receive confirmation of certification completion | - | - |

Note: If a test lab has performed accessory compliance verification in addition to any required TDMA/OTA testing, your accessory will move to the “Receive confirmation of certification completion” step. You do not need to click “Enter tracking info” next to “Ship production-ready samples” since the lab will ship the same set of production-ready materials to Apple for cataloguing.

(If Applicable) Ship Production-Ready Materials to Apple Self-Cert Lab

As described in a previous section, accessories which are not eligible for the One Touch model must complete (1) TDMA and/or OTA testing at an authorized test lab and (2) accessory compliance verification at the Apple Self-Certification Lab. Once the accessory has completed TDMA and/or OTA testing (if required), you must ship another set of production-ready materials to the Apple Self-Certification Lab.

1. Ship a complete set of production-ready materials to the Apple Self-Cert Lab, including:
 - 2 copies of the shipping label: 1 copy inside the shipping box and 1 copy affixed to the outside of the shipping box
 - 2 [production-ready](#) units
 - All power supplies, cables, connectors, wiring, remote controls and dock inserts needed to operate the product
 - All components of the entire solution, if the product is one component of the solution (e.g., AV receiver for a home theater system)
 - User manual and/or instructions for operating the product
 - (App-based accessories only) A CD which contains the application, newly-created provisioning profile (e.g., “test.mobileprovision”) and application bundle (e.g., “test.app”)

Note: For app-based accessories, the accessory firmware must be programmed to declare the preferred app and a list of supported protocol names. For more information, please see the “Guide to Submitting Apps that Work with Accessories” document in the Document Center.

2. Click “Enter tracking info” next to “Ship production-ready samples” and input the tracking number of the shipment destined for the Apple Self-Cert Lab.

| ▼ Device Production-ready Self-Certification ⓘ | | |
|--|-------------------------------------|--------------------|
| Step | Status/Action | Last Change |
| Submit Self-Certification form | Complete | Submitted 04/26/11 |
| Select Lab | Complete | RFI - Shenzhen |
| Print shipping label | Download | - |
| Complete TDMA Testing | Complete | Completed 05/02/11 |
| Complete TDMA Testing - iPhone4 | Complete | Completed 05/02/11 |
| Complete OTA Testing | N/A | - |
| Ship production-ready samples | Enter tracking info | - |
| Receive confirmation of certification completion | - | - |

Once the Apple-Self-Cert Lab processes your production-ready materials, which, at its option, may include accessory compliance verification, your accessory will move to the “Receive confirmation of certification completion” step.

Receive Confirmation of Certification Completion

1. Once your accessory has completed production-ready certification, the individual who submitted the Self-Cert form will receive confirmation via e-mail and the “Product Plan Status” page will show that all steps are complete.

| ▼ Device Production-ready Self-Certification ⓘ | | |
|--|---------------|--------------------|
| Step | Status/Action | Last Change |
| Submit Self-Certification form | Complete | Submitted 04/26/11 |
| Select Lab | - | - |
| Print shipping label | - | Downloaded |
| Complete TDMA Testing | Complete | Completed 05/02/11 |
| Complete TDMA Testing - iPhone4 | Complete | Completed 05/02/11 |
| Complete OTA Testing | N/A | - |
| Ship production-ready samples | Complete | Received |
| Receive confirmation of certification completion | Complete | Completed 05/05/11 |

You may begin mass production of your accessory at this time. However, packaging materials may be manufactured only after they are [submitted through the Portal](#) and the packaging status shows as “Complete.”

(App-Based Accessories Only) Complete App Review

Once your accessory completes MFi production-ready certification, the app developer may submit the associated app(s) to the App Store. The app will be reviewed in conjunction with the samples previously shipped to the Apple Self-Cert Lab. However, the app review process is separate from the MFi certification process.

1. Specify protocol names that match the target accessory in your app’s `Info.plist`.
2. Submit the final version of the app through iTunes Connect. You must enter the accessory’s MFi Product Plan ID in your app metadata Review Notes” field.
 - If an app is already available as a standalone app on the App Store, you must resubmit the app using a revised Bundle Seed ID.
3. Receive notification that the app is Ready for Sale.

For more information, please see the “Guide to Submitting Apps that Work with Accessories” document in the Document Center.

Prototype Certification

Overview

As shown in [Table 1](#), certain accessories require completion of prototype certification, in addition to production-ready certification. For such accessories, prototype certification is the next step after Product Plan approval and must be completed before submitting an ATS report or beginning production-ready certification. In brief, this phase entails the following:

- Submit a completed Self-Certification form through the Portal.
- Ship prototype certification materials to the Apple Self-Cert Lab.
- Receive e-mail confirmation once all prototype certification steps are complete.

All prototype hardware is confidentially destroyed upon completion of prototype certification and cannot be returned to the Licensee.

The prototype certification process differs from that of production-ready certification in the following ways:

- Ship only 1 sample to the Apple Self-Cert Lab.
- No TDMA and/or OTA testing requirement at this phase.

How to Complete Prototype Certification

Accessory Compliance Testing by Licensee

1. Test your accessory to ensure that it meets the MFi accessory specifications, passes all applicable tests on the Self-Certification form and is compatible with each model with which you will be claiming compatibility.

Submit a Prototype Self-Cert Form

1. Click “Product Plans” on the menu bar and select a specific Product Plan from the list of Product Plans.
2. On the “Product Plan Status” page, click “Complete form” next to “Submit prototype Self-Cert form.”

| ▼ Prototype Self Certification ⓘ | | |
|--|---------------|-------------|
| Step | Status/Action | Last Change |
| Submit prototype Self-Cert form | Complete form | - |
| Print shipping label | - | - |
| Ship prototype sample | - | - |
| Receive confirmation of prototype certification completion | - | - |

- Complete all sections and tests on the form which apply to the accessory covered in the Product Plan. Click “Submit.” The “Product Plan Status” page will be updated accordingly.

| ▼ Prototype Self Certification ⓘ | | |
|----------------------------------|---------------|--------------------|
| Step | Status/Action | Last Change |
| Submit prototype Self-Cert form | Complete | Submitted 05/15/11 |

Ship Prototype Certification Materials

- Click “Download” next to “Print shipping label” and print 2 copies of the label.

| ▼ Prototype Self Certification ⓘ | | |
|--|-----------------------|--------------------|
| Step | Status/Action | Last Change |
| Submit prototype Self-Cert form | Complete | Submitted 05/15/11 |
| Print shipping label | Download | - |
| Ship prototype sample | Enter tracking info | - |
| Receive confirmation of prototype certification completion | Under review by Apple | - |

The shipping label will be populated with the relevant Product Plan details and the ship-to address of the Apple Self-Certification Lab.

Note: The “Print shipping label” and “Ship prototype sample” line items will remain highlighted on the “Product Plan Status” page until all prototype certification steps are complete.

- Ship a complete set of prototype materials to the Apple Self-Cert Lab, including:
 - 2 copies of the shipping label: 1 copy inside the shipping box and 1 copy affixed to the outside of the shipping box
 - 1 [prototype](#) unit
 - All power supplies, cables, connectors, wiring, remote controls and dock inserts needed to operate the product
 - All components of the entire solution, if the product is one component of the solution (e.g., AV receiver for a home theater system)
 - User manual and/or instructions for operating the product
 - (For app-based accessories only) A CD which contains a functional version of the app
- Click “Enter tracking info” next to “Ship prototype sample” and input the tracking number of the shipment.

Receive Confirmation of Prototype Certification Completion

1. Once the Self-Cert Lab receives and processes your prototype materials, the individual who submitted the Self-Cert form will receive confirmation via e-mail and the “Product Plan Status” page will show that all prototype certification steps are complete.

| ▼ Prototype Self Certification ⓘ | | |
|--|---------------|--------------------|
| Step | Status/Action | Last Change |
| Submit prototype Self-Cert form | Complete | Submitted 05/15/11 |
| Print shipping label | Complete | Downloaded |
| Ship prototype sample | Complete | Received 05/18/11 |
| Receive confirmation of prototype certification completion | Complete | Completed 05/20/11 |

Recertification for New/Additional Apple Devices

Overview

In order to claim compatibility with a new or additional Apple device/model, Licensees must complete the recertification requirements specific to that device. In brief, recertification entails the following steps:

- Submit a Product Plan update through the Portal.
- Test your accessory to ensure that it is compatible with each new model with which you will be claiming compatibility.
- Submit an ATS report.
- Submit a Self-Certification form.
- (If applicable) Complete third-party TDMA testing. This requirement generally applies to products which (1) pass audio or video and (2) required TDMA testing in order to complete certification for the the first time.
- Submit revised packaging self-certification materials.

How to Recertify a Previously-Certified Accessory

1. Click “Product Plans” on the menu bar and select a specific Product Plan from the list of Product Plans.
2. On the “Product Plan Status” page, click “Submit update” next to “Product Plan update” under the “Update Approved Product Plan” heading near the bottom of the page.

| ▼ Update Approved Product Plan | | |
|--------------------------------------|---------------|-------------|
| Step | Status/Action | Last Change |
| Product Plan update | Submit update | – |
| Re-Submit ATS Report | – | – |
| Re-Submit Self-Cert | – | – |
| Complete TDMA testing – iPhone 4 | N/A | 04/25/11 |
| Receive Product Plan update approval | – | – |

3. On the [“Product Plan Update” form](#), you may make any of the following changes:

- Add additional models/SKUs
- Revise MSRP
- Add new Apple models with which you intend to claim compatibility (models which were previously selected on the Product Plan will be populated)
- Remove or add Authorized Manufacturers
- (App-based accessories only) Add/revise iOS app(s)

Note: Do not enter new dates (e.g., sell-in or production-ready submission date) if the accessory has already begun selling in.

Select the new models with which you intend to claim compatibility and click “Submit.” You will receive a confirmation e-mail once the Product Plan is approved for recertification and the “Product Plan Status” page will reflect its status as well.

| ▼ Update Approved Product Plan | | |
|--------------------------------|-----------------------|--------------------|
| Step | Status/Action | Last Change |
| Product Plan update | Under review by Apple | Submitted 05/03/11 |

4. [Submit an ATS report.](#)

| ▼ Update Approved Product Plan | | |
|--------------------------------------|-----------------------|---------------------|
| Step | Status/Action | Last Change |
| Product Plan update | Under review by Apple | Submitted 05/03/11 |
| Re-Submit ATS Report | Instructions | Authorized 05/03/11 |
| Re-Submit Self-Cert | – | – |
| Complete TDMA testing – iPhone 4 | N/A | 05/02/11 |
| Receive Product Plan update approval | Under review by Apple | – |

Once your ATS report is submitted, the “Re-Submit ATS Report” step on the “Product Plan Status” page will show as “Complete.”

5. Click “Complete form” next to “Re-Submit Self-Cert” to submit a new Self-Certification form.

| ▼ Update Approved Product Plan | | |
|--------------------------------------|-----------------------|---------------------|
| Step | Status/Action | Last Change |
| Product Plan update | Under review by Apple | Submitted 05/03/11 |
| Re-Submit ATS Report | Complete | Completed 05/03/11 |
| Re-Submit Self-Cert | Complete Form | Authorized 05/03/11 |
| Complete TDMA testing – iPhone 4 | N/A | 05/02/11 |
| Receive Product Plan update approval | Under review by Apple | – |

6. (If applicable) Complete [third-party TDMA testing](#). This requirement generally applies to products which (1) pass audio or video and (2) required third-party TDMA testing in order to complete certification for the the first time. Contact an authorized lab directly to schedule testing. TDMA test results will be uploaded to the Portal and reflected on the “Product Plan Status” page.
7. Revise product packaging materials to reflect compatibility with the new Apple devices/models. Click “Upload files” next to “Submit additional packaging materials” under the “Packaging” header on the “Product Plan Status” page. [Submit the revised packaging materials](#) for approval.

| ▼ Packaging ⓘ | | |
|---------------------------------------|------------------------------|-------------|
| Step | Status/Action | Last Change |
| Submit packaging materials | Complete | Submitted |
| Receive packaging approval | Complete | Completed |
| Submit additional packaging materials | Upload files | - |

8. Once Apple receives TDMA test results from the third-party lab (if applicable) and receives your revised packaging materials, the recertification process will be complete. The “Product Plan Status” page will be updated accordingly.

| ▼ Update Approved Product Plan ⓘ | | |
|--------------------------------------|-------------------------------|--------------------|
| Step | Status/Action | Last Change |
| Product Plan update | Submit update | Completed 05/03/11 |
| Re-Submit ATS Report | Complete | Completed 05/03/11 |
| Re-Submit Self-Cert | Submitted | Submitted 05/03/11 |
| Complete TDMA testing - iPhone 4 | N/A | 05/02/11 |
| Receive Product Plan update approval | Complete | Completed 05/03/11 |

Marketing, Packaging and Press Releases

Marketing Guidelines

All product communications related to your MFi accessory products **must** use the appropriate “Made for” logo and adhere to the following guidelines:

- MFi Logo Guidelines
- Icon Guidelines (required if using Apple-provided compatibility icons)
- Guidelines for Using Apple Trademarks and Copyrights (www.apple.com/legal/trademark/guidelinesfor3rdparties.html)

The latest versions of the Logo Guidelines and Icon Guidelines are available in the “Marketing Materials” folder in the [Document Center](#).

Product communications include, but are not limited to, the following materials:

- Product packaging, user guides and in-box materials (requires confirmation of completion from Apple through the Portal)
- In-store signage and POP displays
- Web site content
- Tradeshow signage
- Advertising
- [Press releases](#)

Electronic Artwork Files

Artwork provided by Apple may not be modified in any way. The following artwork is available in the Document Center:

- Images of the “Made for” logos for print and Web; English and French versions are available
- Compatibility icons in Adobe Illustrator format; positive and reverse versions are available

Images of Apple products are not provided to third parties. Licensee must shoot their own photography of Apple products.

Submitting Packaging Materials

Prior to producing product packaging, user guides and in-box materials, Licensees must self-certify that the materials comply with Apple’s [marketing guidelines](#). This process entails submission of packaging materials, along with a corresponding

Packaging Self-Certification Form, to Apple through the Portal. Licensees need only submit 1 representative sample of packaging materials for each Licensed Product. Cosmetic and/or language variations are not required. You may not manufacture packaging materials until the packaging status shows as “Complete” in the Portal.

Key Requirements

At this time, general requirements for packaging materials include:

1. Use of the appropriate “Made for” or Combination logo based on the Apple devices supported by your product
2. Use of the appropriate credit line
3. Use of the legal notice in the user guide/in-box materials or on the packaging itself
4. Correct listing of the Apple models supported using either a list of model names (with the required nomenclature) or the compatibility icons provided by Apple
5. Correct use of images of Apple products, if such images appear on the packaging
6. Correct use of Apple product names and trademarks
7. No use of the Apple Logo or Apple-owned graphic symbols; no resemblance to Apple’s trade dress or advertising

The requirements are described in detail in the various [guidelines](#) noted above.

Packaging Self-Certification

For each Product Plan ID, Licensees must submit a completed Packaging Self-Certification Form, in addition to the associated packaging file(s) and in-box materials. This Form is your company’s declaration that the materials are in compliance with the most current version of the applicable guidelines. You may submit packaging materials any time after Product Plan approval and at least 30 days before the product goes into production.

Claiming Compatibility with Apple Devices

You may only claim compatibility with the Apple models for which your product completes certification. Your packaging/in-box materials may **not** state that the product is compatible with “all iPod models,” “all iPhone models,” or “all iPad models.” If you are [recertifying a product](#) to be compatible with new or additional Apple models, you must first [update the associated Product Plan](#) before submitting any packaging materials which claim compatibility with the new models.

How to Submit Packaging Self-Certification Materials

1. Download the Packaging Self-Certification Form from the “Licensing Forms” folder in the Document Center.

2. Complete all sections of the form for a specific accessory covered in a Product Plan. All items are required unless otherwise indicated.
3. Click “Product Plans” on the menu bar and select a specific Product Plan from the list of Product Plans.
4. On the “Product Plan Status” page, click “Upload Files” next to the “Submit packaging materials” under the “Packaging” header.

| ▼ Packaging ⓘ | | |
|---------------------------------------|------------------------------|-------------|
| Step | Status/Action | Last Change |
| Submit packaging materials | Upload files | – |
| Receive packaging approval | – | – |
| Submit additional packaging materials | – | – |

5. Click “Add file” to upload your completed Packaging Self-Certification Form (in Microsoft Word or PDF format) and the associated packaging files and in-box materials (in PDF format)
 - You may optionally provide comments to your Account Specialist in the dialog box provided
 - Select the checkboxes on the page and click “Submit”

Please upload your packaging files below.

[Add file](#)

Comments from your Account Specialist (optional)

Comments for your Account Specialist (optional)

Please confirm that the required files have been uploaded:

☐ Packaging artwork file(s)

☐ Completed Packaging Self-Cert form *

*This form is available in the Licensing Forms folder of the Document Center

Back
Submit

The “Product Plan Status” page will be updated accordingly.

| ▼ Packaging ⓘ | | |
|---------------------------------------|------------------------------|-------------|
| Step | Status/Action | Last Change |
| Submit packaging materials | Complete | Submitted |
| Receive packaging approval | Under review by Apple | – |
| Submit additional packaging materials | Upload files | – |

6. Once Apple has processed your packaging materials, the packaging status will show as “Complete” on the “Product Plan Status” page. You may not manufacture packaging materials until you have completed this step.

| ▼ Packaging ⓘ | | |
|---------------------------------------|------------------------------|--------------------|
| Step | Status/Action | Last Change |
| Submit packaging materials | Complete | Submitted |
| Receive packaging approval | Complete | Completed 05/10/11 |
| Submit additional packaging materials | Upload files | – |

If the materials do not meet the requirements, the “Product Plan Status” page will indicate “Resubmit files” under the “Packaging” header. To resubmit packaging materials, make the necessary modifications, click “Resubmit files,” upload the revised materials and click “Submit.”

| ▼ Packaging ⓘ | | |
|---------------------------------------|--------------------------------|-------------|
| Step | Status/Action | Last Change |
| Submit packaging materials | Resubmit files | – |
| Receive packaging approval | Rejected | – |
| Submit additional packaging materials | – | – |

Press Releases

Any MFi-related press release requires review and approval by Apple before you issue the press release. You must provide sufficient lead time (generally, a minimum of 3 weeks) to enable Apple to complete its review. Ensure that the accessory will have completed certification AND will be commercially available (including the iOS app, if applicable) on the date the press release will be issued.

Please apply the following guidelines when drafting a press release:

- Do not use the terms “partnership” or “relationship” or “teamed” in describing association with Apple
- Do not make any excessive claims which cannot be supported by market data or by Apple
- Do not imply that Apple is endorsing your product
- Do not include “Apple” in the headline
- Do not include an Apple ticker symbol (AAPL) or an Apple boilerplate
- Do not include statements regarding the MFi certification status of your product or the MFi License Agreement

Quarterly Report and Royalty Payment

Overview

Licensees must submit a Quarterly Report every quarter and remit any royalty payment due to Apple every quarter.

Summary of Key Dates

| Reporting Period (Calendar Quarters) | Quarterly Report Due Date | Approximate Invoice Due Date ¹ |
|---|------------------------------|--|
| CQ1: 1 Jan - 31 Mar | 30 April | 5 June |
| CQ2: 1 Apr - 30 Jun | 30 July | 5 September |
| CQ3: 1 Jul - 30 Sept | 30 October | 5 December |
| CQ4: 1 Oct - 31 Dec | 30 January | 5 March |

¹The exact payment due date will appear on your electronic invoice.

Quarterly Report

Licensees must submit a Quarterly Report to Apple within 30 days after the end of each calendar quarter, even for quarters with 0 sales. The Quarterly Report includes the following elements:

- **Sales Data:** Sell-in data reported by [product suffix](#) and by region. This form calculates royalties due to Apple for the reporting period.
- **Forecast Update:** Sales forecasts for the current calendar quarter + 1 quarter, reported by product suffix. This data is used in aggregate for demand planning purposes.
- **Inventory Reconciliation:** Inventory reconciliation data for authentication coprocessors and remote and mic transmitter chips (i.e., beginning on hand/ending on hand inventory, units used/purchased/scrapped), reported by part number. This data ensures that Licensees periodically account for all of the Licensed Components purchased from Avnet.

Failure to submit your Quarterly Report in a timely manner is grounds for termination of your MFi License.

How to Submit the Quarterly Report

1. Click “Quarterly Report” on the menu bar in the Portal.
 - The Quarterly Report form usually becomes available for data upload a few days after the close of the calendar quarter.
 - If you have not made your company’s withholding tax selections before submitting your first Quarterly Report, the Portal will prompt you to complete this step before you are able to access the Quarterly Report form.

Quarterly Report

Reporting period: 01/01/2011–03/31/2011

Before submitting your Quarterly Report, you must make your company’s withholding tax selection on the [Company Profile](#) page in the “My Account” section of the Portal.

For instructions, please see [How to Make Withholding Tax Selections](#).

2. Click the “Submit Quarterly Report” link.

Quarterly Report

Reporting period: 01/01/2011–03/31/2011

[Submit Quarterly Report](#)

Enter the number of units sold during the reporting period. Please report this data by product suffix number (previously assigned by Apple) and by region.

Enter sales forecasts for the current calendar quarter + 1 quarters (CY Q2/11–Q3/11). Please report this data by product suffix number.

Enter the requested inventory data for each authentication chip and/or headphone remote mic system chip purchased by your company during the reporting period.

3. Complete each section of the Quarterly Report (specific instructions for each section follow below).
 - If you would like to save your work and continue later, you may click the “Save” button at any time.
 - You may navigate to any section of the Quarterly Report using the links at the top of the page:

[Sales Data](#) | [Forecast Update](#) | [Inventory Reconciliation](#) | [Report Summary](#)

4. Click “Report Summary” to review all of your data and click “Submit.”
 - Do not submit the Report until all sections are complete. Once the data has been submitted, you will not be able to edit the Quarterly Report data through the Portal.
5. The individual who submitted the Quarterly Report will receive e-mail confirmation once Apple has reviewed it.

For instructions on completing each section of the Quarterly Report, please see [How to Complete the Sales Data Form](#), [How to Complete the Forecast Update Form](#) and [How to Complete the Inventory Reconciliation Form](#).

How to Complete the Sales Data Form

| SKU | Suffix | Americas | EMEIA | Japan | AP | Returns |
|------|--------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| A500 | 0005 | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> |
| A400 | 0004 | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> |
| A300 | 0003 | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> |
| A200 | 0002 | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> |
| A100 | 0001 | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> |

- Enter the number of units sold and units returned during the reporting period.
 - Units sold data is reported by [product suffix](#) and by region; units returned data is reported by product suffix.
 - The form automatically populates all of the SKUs with a sell-in date that occurred before or during the reporting period AND a status of “Active” or “EOL” in our system.
 - Enter only positive numbers in these fields; do **not** enter any non-numeric characters (e.g., commas, periods, negative signs).
 - The royalty rate for each SKU is established at the Product Plan approval stage. If the royalty rate for a particular SKU appears to be incorrect, [contact your Account Specialist](#).
 - Your company is responsible for ensuring that all Licensed Products sold during the reporting period are reflected in this report. If any models/SKUs are missing from this form, contact your Account Specialist.
- Click “Save.” As you enter data on this form, click “Save” frequently to save your work.

How to Complete the Forecast Update Form

| SKU | Suffix | MSRP | CQ2 2011 | CQ3 2011 |
|------|--------|----------------------------------|------------------------------------|------------------------------------|
| A500 | 0005 | <input type="text" value="100"/> | <input type="text" value="5000"/> | <input type="text" value="25000"/> |
| A400 | 0004 | <input type="text" value="130"/> | <input type="text" value="7500"/> | <input type="text" value="10000"/> |
| A300 | 0003 | <input type="text" value="80"/> | <input type="text" value="10000"/> | <input type="text" value="15000"/> |
| A200 | 0002 | <input type="text" value="50"/> | <input type="text" value="15000"/> | <input type="text" value="20000"/> |
| A100 | 0001 | <input type="text" value="100"/> | <input type="text" value="2500"/> | <input type="text" value="12500"/> |

- Enter your sales forecasts for the **current** calendar quarter + 1 quarter, reported by [product suffix](#). For example, if the Quarterly Report reporting period is CQ1/11, you will enter sales forecasts for CQ2/11-Q3/11.
 - The form automatically populates any SKUs with a sell-in date before or during the current calendar quarter + 1 quarter AND a status of “Active” or “EOL” in our system.
 - The form includes any forecasts provided during the previous reporting period.
 - Enter only positive numbers in these fields; do **not** enter any non-numeric characters (e.g., commas, periods).

- If any SKUs are missing from this form, [contact your Account Specialist](#).
2. Update the “MSRP” field with the current/expected retail price, by product suffix.
- The form includes the MSRPs most recently provided, either in the associated Product Plans or the last Forecast Update.
 - Enter only positive numbers are populated in these fields; do **not** enter any non-numeric characters (e.g., currency symbols, commas, periods). If any non-numeric characters are populated in these fields, overwrite them . In the example below, “99.95” should be entered as “100”, “\$129.95” should be entered as “130,” and so on.

The screenshot shows a form titled "MSRP" with five input fields. The first field contains "99.95", the second contains "\$129.95", the third contains "79.95", the fourth contains "49.95", and the fifth contains "99.95".

3. Click “Save. As you enter data on this form, click “Save” frequently to save your work.

How to Complete the Inventory Reconciliation Form

The screenshot shows the "Inventory Reconciliation Form" with the following table:

| Component | Beg On Hand | Purchased | Used | Scrap | End On Hand |
|-------------|-------------|-----------|------|-------|-------------|
| MFI341S2164 | 0 | 0 | 0 | 0 | 0 |
| MFI353S2429 | 0 | 0 | 0 | 0 | 0 |

At the bottom of the form are four buttons: "Cancel", "Save", "Previous", and "Continue".

Definitions

- **Beg On Hand** - Quantity in raw materials inventory and in-transit at the beginning of the reporting period.
- **Purchased** - Quantity purchased during the reporting period, including material purchased but not in-transit.
- **Used** - Quantity used in Finished Goods Inventory (FGI) and Work-In-Progress (WIP) during the reporting period.
- **Scrap** - Quantity destroyed/scrapped during the reporting period.

Note: Licensees are responsible for destroying this material in a secure manner. For more information, please see [Destruction of Licensed Components/Licensed Products](#).

- **End On Hand** - This field is auto-calculated by the Portal. This calculation consists of: (“Beg On Hand” + “Purchased”) minus (“Used” + “Scrap”) during the reporting period.

1. Enter the requested inventory data, reported by Avnet part number. Report this data for inventory handled by both your company and any Authorized Manufacturers. Include sample parts.
 - The form automatically populates all of the authentication coprocessors and remote and mic transmitter chips that your company is authorized to purchase in production quantities.
 - Enter only positive numbers in these fields; do **not** enter any non-numeric characters (e.g., commas, periods).
 - Your company is responsible for ensuring that all applicable components are reflected in this report. If you have purchased production quantities of an authentication coprocessor or remote and mic transmitter chip that does not appear on this form, [contact your Account Specialist](#).
2. Click “Save” to automatically calculate the Ending On Hand quantity. The EOH quantity will be your Beginning On Hand quantity for the next reporting period. As you enter data on this form, click “Save” frequently to save your work.

Report Summary

This page summarizes the data entered in each section and indicates the royalty payment due to Apple for the reporting period. The royalty calculation factors in the [withholding tax rate](#) previously entered by your company in the Portal.

If you need to revise any data, click the appropriate link at the top of the page or click “Previous.” If all of the data is correct, click “Submit. Your Quarterly Report will not be submitted to Apple until you click “Submit.” **Do not make royalty payment until you have received an electronic invoice from Apple.** For instructions on how to make royalty payment, please see [How to Remit Royalty Payment](#).

Royalty Payment

Royalty payment is due within 30 days of receipt of an electronic invoice from Apple. The invoice due date will appear on the invoice. Prior to making your first payment, you must [make your company’s withholding tax selections](#). Failure to correctly remit royalty payment by the invoice due date is grounds for termination of your MFi License.

How to Remit Royalty Payment

1. [Submit your company’s Quarterly Report](#) for the reporting period through the Portal.
2. Receive e-mail confirmation once Apple has reviewed and approved your Quarterly Report.
3. Receive an electronic invoice from Apple specifying the royalties due for the reporting period. The royalty calculation will factor in the withholding tax rate previously entered by your company. The invoice will include the payment due date.

4. Remit payment in U.S. dollars by ACH (within the U.S.) or wire transfer (outside the U.S.) on or before the invoice due date. Apple will not accept payment by check. **You must include your invoice number as the first item in the “Notes” section of your electronic payment.** No additional information is required in this section. **Apple will not accept any electronic payment which fails to reference the appropriate invoice number.**

Electronic Payment Details - ACH (Within the U.S.)

| | |
|--------------------------------|--|
| Company name: | Apple Computer c/o Bank of America |
| Address: | 1401 Elm Street Dallas, TX 75202 USA |
| Phone number: | (In the U.S.) 888 715 1000 ext. 58771 (Outside the U.S.) +1 925 692 6856 ext. 58771 |
| Routing Transit Number (ABA#): | 111000012 |
| Apple account number: | 3751294243 |
| Apple Tax ID: | 94-2404110 |

Electronic Payment Details - Wire Transfer (Outside the U.S.)

| | |
|--------------------------------|--|
| Company name: | Apple Computer c/o Bank of America |
| Address: | 1401 Elm Street Dallas, TX 75202 USA |
| Phone number: | (In the U.S.) 888 715 1000 ext. 58771 (Outside the U.S.) +1 925 692 6856 ext. 58771 |
| Routing Transit Number (ABA#): | 026009593 |
| Apple account number: | 3751294243 |
| CHIPS address: | 0959 |
| SWIFT address: | BOFAUS3N |
| Apple Tax ID: | 94-2404110 |

Withholding Taxes

If a foreign tax authority determines that your company must withhold taxes on royalties paid to Apple, you may deduct such taxes from the amount owed to Apple and pay them to the appropriate taxing authority. During initial Portal account setup, your company must provide the withholding tax information as requested in the Portal. If you do not make a withholding tax selection, your company's withholding tax rate will default to 0% and you will be responsible for your company's withholding taxes, as well as Apple's (gross).

If your company will deduct withholding taxes from the amount owed Apple (i.e., net withholding), you must:

- Indicate if your company will use the treaty rate or non-treaty rate. Use of treaty rates is strongly encouraged.

- Specify the date on which your company can provide evidence of withholding tax payment.
- On or before the date specified above, submit a receipt, tax certificate or other appropriate document which indicates the total amount of taxes withheld during your fiscal year.

Note: If you select the treaty rate and the rate is 0%, evidence of withholding tax payment is not required if your country's treaty rate is 0%.

Failure to make your withholding tax selections in the Portal and/or to provide withholding tax payment evidence will result in a withholding tax rate of 0%.

How to Make Withholding Tax Selections

1. Click "My Account"
2. Click "Company Info"
3. Make your selections under "Tax Information" and click the "Update" button.
 - If you will not deduct withholding taxes, you will only need to make one selection on this page.

Tax Information

Will withholding taxes be deducted from your royalty payment?

☐ Yes

☒ No

[Back](#) [Update](#)

- If you will deduct withholding taxes, you will need to make multiple selections on this page.

Tax Information

Will withholding taxes be deducted from your royalty payment?

☒ Yes

☐ No

Select one. Use of treaty rates is strongly encouraged.

☒ Treaty Rate

☐ Non Treaty Rate

When can you provide withholding tax payment evidence?

Month:

Day:

Upload tax payment evidence

[Add file](#)

Specify quarters for the uploaded file:
E.g. "CQ1 2010" or "CQ1 2010 - CQ4 2010"

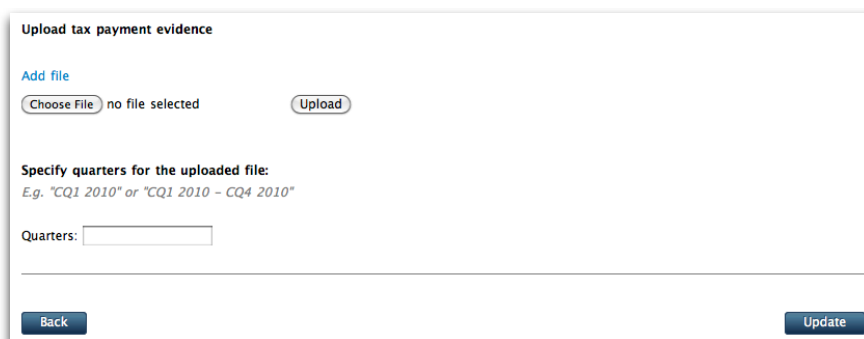
Quarters:

[Back](#) [Update](#)

How to Submit Withholding Tax Payment Evidence

Licensees must submit evidence of withholding tax payment on or before the date they have specified for this purpose in the Portal.

1. Click “My Account”
2. Click “Company Info”
3. Under the “Tax Information” section, click “Add file,” Upload a receipt, tax certificate or other appropriate document(s), input the applicable calendar quarter(s) in the “Quarters” field and click the “Update” button.



The screenshot shows a web form titled "Upload tax payment evidence". At the top, there is a link "Add file". Below it, a button labeled "Choose File" is followed by the text "no file selected" and an "Upload" button. Further down, the text "Specify quarters for the uploaded file:" is followed by an example: "E.g. 'CQ1 2010' or 'CQ1 2010 - CQ4 2010'". Below this is a text input field labeled "Quarters:". At the bottom left is a "Back" button and at the bottom right is an "Update" button.

Program Audits

Licensees must maintain all appropriate books and records required to verify Quarterly Reports for a period of 3 years after the end of the relevant calendar quarter.

Apple performs routine reviews of all MFi Licensees under the terms of the License Agreement (Section 8). Audits and inspections are conducted by an independent public accounting firm. Following is an overview of the audit process from a Licensee perspective.

Kickoff and Planning Calls Prior to Fieldwork

The purpose of this call is to introduce the audit process, review data requirements, schedule on-site fieldwork, and answer any questions you may have. You should identify a primary contact person for the audit. Subsequent planning calls may also be scheduled as needed.

Data Requirements Prior to Fieldwork

Prior to the site visit date, you will be asked to provide the accounting firm with information and data. The firm will communicate these requirements to you via e-mail and the planning calls. Key data requirements may include the following:

- An extract of sales, return, and inventory data from the accounting/ERP system
- Purchasing records of Licensed Products and Licensed Components
- Scrap and destruction records of Licensed Products and Licensed Components
- Quarterly Reports submitted to Apple
- Audited financial records or internal management reports that can be tied to sales data to assess completeness of the data provided for the audit

Fieldwork

Fieldwork typically takes 2-5 days, depending on the size of the Licensee, advanced preparation by the Licensee, and availability of key personnel. While on-site, the accounting firm will work to minimally disrupt normal business operations.

Contract Manufacturer (CM) Visits

As a part of the audit, the accounting firm will also inspect the Licensee's Authorized Manufacturers (i.e., CMs that are manufacturing MFi accessories). Each CM visit typically lasts a half-day and includes process walk-throughs and other procedures to determine the disposition of your MFi products throughout the inspection period. The Licensee will be asked to provide Authorized Manufacturer contact information and facilitate some communication with them.

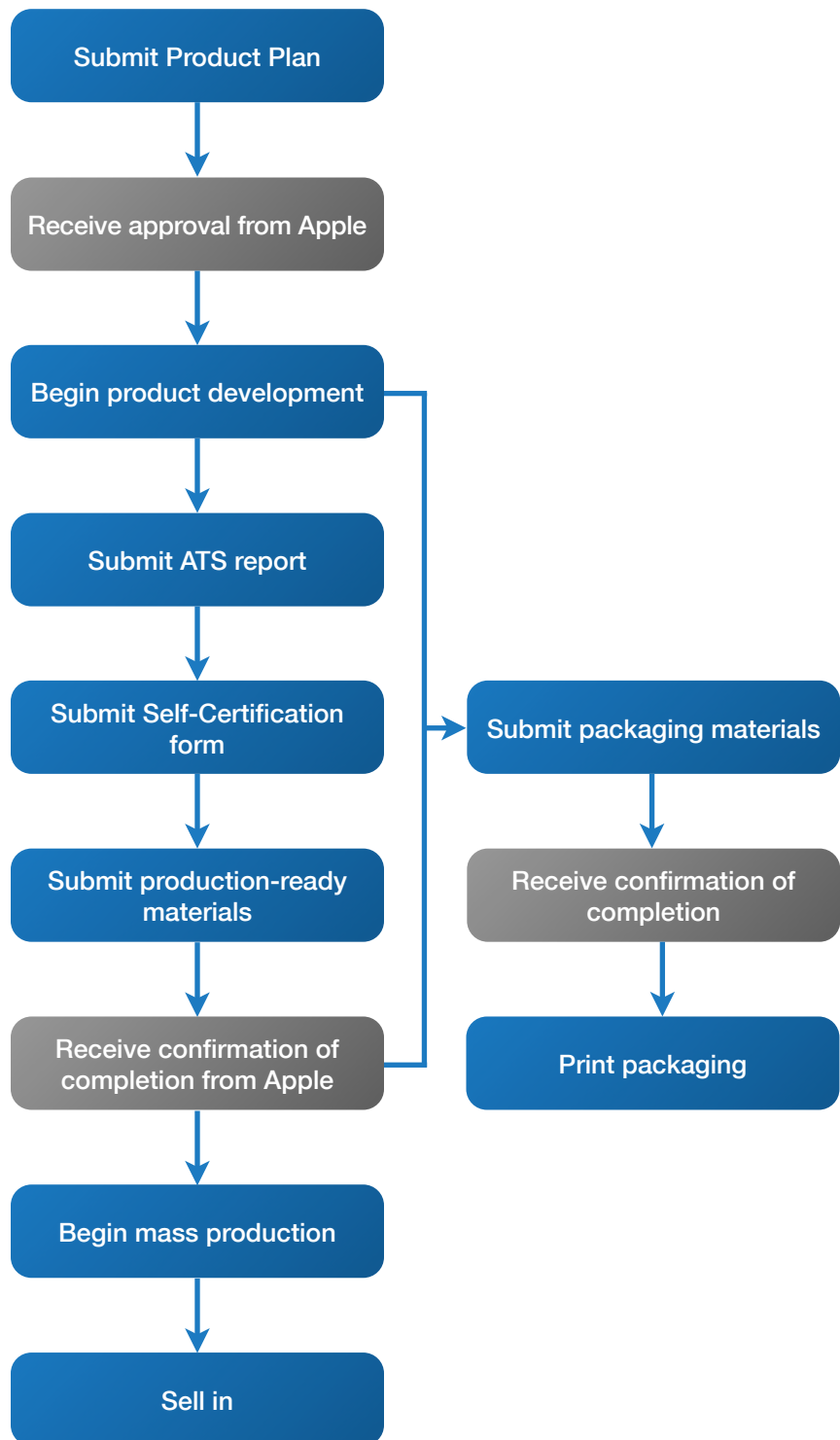
Post-Fieldwork

Following the on-site visits, the accounting firm will prepare draft documents highlighting any observations noted during the review. These documents will be shared with Apple and the Licensee. Prior to sharing the documents with Apple, the accounting firm will share the drafts with the Licensee to ensure that the findings and information contained therein is factually correct. Draft documents will then be shared with Apple. All discussions following this hand-off will be conducted directly with Apple.

Appendix

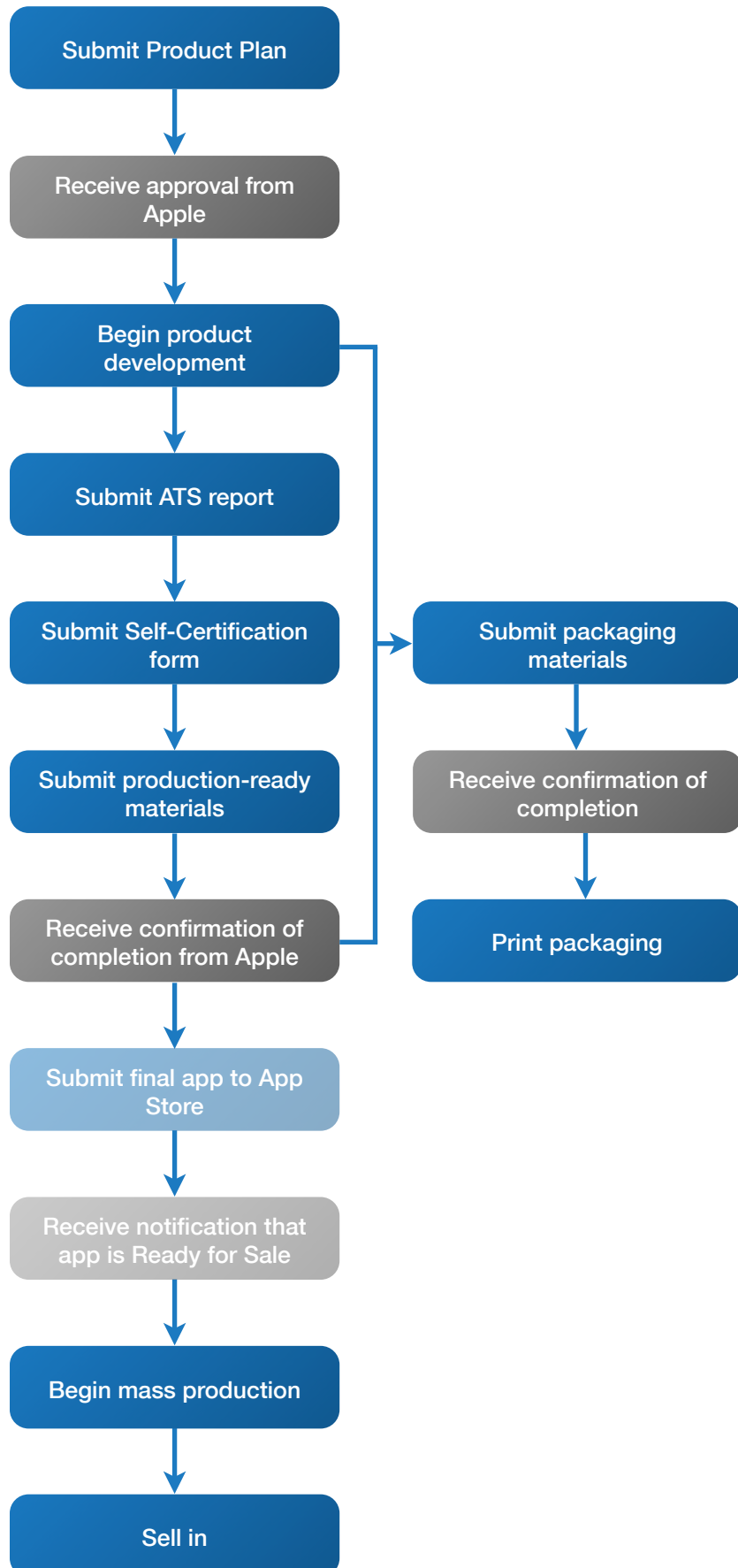
Appendix A: Sample Certification Process Flows

Product Types: General, Power Only, Remote and Mic, Auto (Aftermarket)



¹Headphone remote and mic accessories do not require submission of an ATS report.

Product Type: App-Based Accessory



Change History

| Version | Description | Date |
|---------|--|---------|
| R2 | Significant organizational changes to the document - instead of 2 distinct sections, “MFi Portal User Guide” and “MFi Program Overview,” Portal instructions are integrated into the relevant program section | 5/10/11 |
| | MFi Portal screen shots and user interface changes have been updated throughout the document | |
| | Log in to the Avnet procurement Web site using your MFi Universal Sign-In (pp. 10, 16); deleted instructions for setting up Avnet users through the Avnet Web site | |
| | A sample destruction log for Licensed Technology is available in the “Licensing Forms” folder in the Document Center (pp. 12, 29) | |
| | 2 new files are available in the “Technical Reference” folder in the Document Center: “Guide to Submitting Apps that Work with Accessories” and “MFi Authorized Test Labs” (p. 13) | |
| | 3 new files are available in the “Technical Specifications” folder in the Document Center: “AirPlay Product Compliance Test,” “AirPlay Product Definition Specification,” “Bluetooth Accessory Guidelines” (p. 13) | |
| | Deleted reference to “iPod Authentication Coprocessor 2.0A” document in the “Technical Specifications” folder in the Document Center | |
| | In the “Portal Menu Bar” section, the reference to the “Technical Resources” page has been removed since the “MFi Authorized Test Lab” document in the Document Center provides a listing of authorized test labs and their services | |
| | Additions to “Managing Your Account” section, including: who may access the Portal, generic/department e-mail addresses may not be used as Portal User IDs, ATS-only accounts, managing your License (pp. 18-24) | |
| | New password reset feature enables you to reset your password online using a security question; updated “Password Changes” section accordingly (pp. 22-23) | |
| | “Procuring Licensed Components” section has been expanded to “Procuring and Handling Licensed Components” - additions to this section include: Authorized Manufacturers, placing orders, sample components and ATS, handling Licensed Technology (pp. 25-29) | |
| | Additions to “Product Plans” section, including: CM account type, Product Plan status definitions, Product Plans for app-based accessories, keeping your Product Plans up-to-date (pp. 31-46) | |
| | New “Product Plans for App-Based Accessories” section defines “app-based accessory” (previously referred to as “iOS accessory”), summarizes current guidelines and describes how to add iOS apps to a Product Plan (pp. 33-34) | |
| | “How to Submit a Product Plan” section captures new Portal feature which enables you to copy/duplicate an existing Product Plan (p. 36) | |
| | “Tracking Product Plans” section captures Portal enhancements, including: new viewing/sorting options for Product Plans, a revised “Product Plan Status” page and new search capability (p. 36-41) | |
| | Licensees may add new iOS apps to Product Plans after completion of certification using the Product Plan update form (p. 44) | |
| | “Product Plan Compliance” section has been expanded to “Keeping Your Product Plans Up-to-Date”; instructions are provided for updating the status of a Product Plan (p. 46) | |

| Version | Description | Date |
|---------|---|----------|
| | “Certification Requirements by Product Type” table has been condensed and reflects revised requirements which became effective as of 5/10/11, including: app-based accessories no longer require prototype certification; remote and mic accessories and aftermarket automotive head units must complete third-party TDMA testing (p. 48) | |
| | Additions/revisions to “Accessory Test System (ATS)” section include: updated “ATS Requirement by Product Description” table, new “ATS Equipment List” table (p. 49) | |
| | “ATS Requirement by Product Description” table indicates that all 30-pin connector-based accessories, including those which use iAP over USB, require submission of an ATS report (p. 49) | |
| | Revisions to “TDMA Noise Testing” section include: revised TDMA testing requirements for iPad-compatible accessories, remote and mic accessories, aftermarket automotive head units as of 5/10/11 (pp. 51-52) | |
| | New “Accessory Compliance Verification” section describes the “One Touch” model and which accessories require its use (pp. 52-54) | |
| | “Certification” section has been reorganized to include information about the One Touch requirement in various locations (pp. 52-60) | |
| | “Production-Ready Certification” section includes instructions for submitting iOS apps to the App Store (pp. 59-60) | |
| | Deleted “Certification Steps for App-Based Accessories” section and moved its content to the “Product Plans for App-Based Accessories” and “Production-Ready Certification” section | |
| | Added detailed instructions for recertifying a previously-certified accessory (pp. 62-64) | |
| | New “Marketing, Packaging and Press Releases” section describes applicable marketing guidelines, instructions for submitting packaging self-certification materials, press release guidelines (pp. 66-69) | |
| | Additions/revisions to “Quarterly Report” section include: Portal enhancement which prompts you to make your withholding tax selections before submitting your first Quarterly Report, additional instructions for entering the Forecast Update, definitions of terms used on the Inventory Reconciliation report (pp. 72-74) | |
| | In “Royalty Payment” section, updated phone number for the financial institution which processes electronic payments to Apple (p. 76) | |
| | Updated “Withholding Taxes” section includes instructions for submitting withholding tax payment evidence through the Portal (p. 78) | |
| | New “Program Audits” section provides an overview of the MFi program audit process (pp. 78-79) | |
| | The number of sample certification process flows in Appendix A has decreased as there is greater overlap of the process flow by product type (pp. 81-82) | |
| R1.2b | Added “Packaging” contact to contact type definitions; deleted “Business” contact type because it will no longer be used in the Portal; revised the definition/role of the Legal Contact (pp. 7-8) | 11/11/10 |
| R1.2a | Revised e-mail address to which requests for Technical Support Incidents should be sent (p. 30) | 7/29/10 |
| | Updated third-party TDMA noise test requirement for “Made for iPhone” accessories (p. 41) | |
| R1.2 | Evidence of withholding tax payment is required if withholding tax rate is not zero (p. 9) | 7/1/10 |
| | Instructions for updating the e-mail address associated with an MFi Contact on the Portal (p. 11) | |
| | Updated instructions for selecting your company’s withholding tax rate (p. 11) | |

| Version | Description | Date |
|---------|--|---------|
| | Significant additions to the “Product Plans” section of the Portal User Guide (pp. 13-23) | |
| | Updated description of Commercial product use for Auto products (p. 16) | |
| | Updated the “Quarterly Report” section of Portal User Guide (pp. 24-26) | |
| | Revised Developer Technical Support section (pp. 29-30) | |
| | Updated Avnet sales/shipping terms and credit card payment sections (pp. 31-32) | |
| | Updated document names and/or descriptions of files in Document Center (pp. 34-35) | |
| | Additions to the “Product Plans” section of the Program Overview (pp. 36-37) | |
| | Added new “Certification” section (pp. 38-45) | |
| | Updated the “Quarterly Report” section of the Program Overview (p. 46) | |
| | Added Appendix A - Sample Certification Process Flows (pp. 49-54) | |
| | Removed previous Appendix A - Sample Product Plan Forms | |
| R1.1 | Supported browsers for MFi Portal (p. 6) | 3/18/10 |
| | Updated information regarding MFi Universal Sign-In (p. 6) | |
| | Non-Accounting Contacts may declare withholding tax rate, submit Sales Data and remit royalty payment (pp. 8, 15, 29-30) | |
| | Contact information of MFi Account Specialist and Licensee’s Primary Contact visible on Home page (p. 11) | |
| | Instructions for submitting Product Plans through Portal (p. 11) | |
| | Description of product types and product uses on Product Plan form (pp. 12-13) | |
| | Instructions for submitting Inventory Reconciliation through Portal (p. 15) | |
| | Instructions for submitting Forecast Update through Portal (p. 16) | |
| | Updated file names in Document Center; removed obsolete Licensing forms and technical specification files (pp. 24-25) | |
| | Added “Product Plans” section (pp. 26-27) | |
| | Removed royalty payment due date column in “Summary of Key Dates” table (p. 28) | |
| | Updated royalty payment due date (p. 28) | |
| | Revised item 4 under “How to Remit Royalty Payment” section (p. 29) | |
| | Added Appendix A (starting on p. 31) | |
| R1 | Initial release | 1/18/10 |