Style Guide

arm SystemReady

# SystemReady Usage
# Rules and Terminology

# SystemReady Usage Rules

- SystemReady must be referred to as 'Arm SystemReady' the first time it is referenced. After this, 'SystemReady' or 'Arm SystemReady' can be used interchangeably.

- SystemReady can be used on its own or with the band notations such as SR, ES, IR or LS.

- Correct format: Arm SystemReady + band e.g., SystemReady SR or Arm SystemReady SR.

- Capital letters must be used for 'S' and 'R' in SystemReady.

- SystemReady is one word with no spaces.

- Each band has the following versions:

- SystemReady SR v2.0 (formerly the ServerReady program)

- SystemReady ES v1.0

- SystemReady IR v1.0

- SystemReady LS v1.0

- The phrase "just works" should be written in either italics or speech marks the first time it is referenced. It should be written in lower case and only capitalised where grammatically correct e.g. in a title.
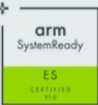
# SystemReady Usage Rules

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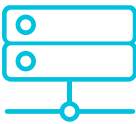| ✓ Correct use | ✗ Incorrect use |
|---|---|
| **Arm SystemReady** **SystemReady** | System Ready systemready Arm System Ready |
| **Arm SystemReady SR** **SystemReady SR** | SystemReady ServerReady ServerReady SystemReady-SR |
| **Arm SystemReady ES** **SystemReady ES** | SystemReady Embedded ServerReady Embedded ServerReady SystemReady-ES |
| **Arm SystemReady IR** **SystemReady IR** | SystemReady IoT Ready IoT Ready SystemReady-IR |
| **Arm SystemReady LS** **SystemReady LS** | SystemReady LinuxBoot SeverReady LinuxBoot ServerReady SystemReady-LS |
| **Arm SystemReady SR v2.0** **SystemReady SR v2.0** | Arm SystemReady ServerReady V2.0 SystemReady ServerReady v2.0 SystemReady-SR v2.0 |
| **Arm SystemReady ES v1.0** **SystemReady ES v1.0** | Arm SystemReady Embedded ServerReady v1.0 SystemReady Embedded ServerReady v1.0 SystemReady-ES v1.0 |
| **Arm SystemReady IR v1.0** **SystemReady IR v1.0** | Arm SystemReady IoT Ready v1.0 SystemReady IoT Ready v1.0 SystemReady-IR v1.0 |
| **Arm SystemReady LS v1.0** **SystemReady LS v1.0** | Arm SystemReady LinuxBoot v1.0 SystemReady LinuxBoot v1.0 SystemReady-LS v1.0 |

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# Arm SystemReady bands: Terminology

These bands are based on combinations or recipes from the BSA and BBR specifications and supplements

| Certification | Logos | *Description | BSA | BSA supplement | BBR recipe |
|---|---|---|---|---|---|
| SystemReady SR | | ServerReady | BSA | SBSA | SBBR |
| SystemReady ES | | Embedded Server | BSA | None | SBBR |
| SystemReady IR | | IoT | BSA | None | EBBR |
| SystemReady LS | | LinuxBoot Server | BSA | SBSA | LBBR |
| Security Extension | | Option for platforms that are BBSR compliant, implementing UEFI Secure Boot and Firmware Update | | | |

*These are descriptive terms only.  Each SystemReady band must be written in the correct format e.g., SystemReady SR and not ServerReady

- **SystemReady SR**: A solution for Servers, formerly the ServerReady program

- **SystemReady ES**: A solution for edge and IoT devices, ensuring interoperability with generic off-the shelf  operating systems and hypervisors supporting SBBR recipe.

- **SystemReady IR**: A solution for edge and IoT devices, ensuring interoperability with embedded Linux and other embedded operating systems.

- **SystemReady LS**: A solution for servers using LinuxBoot firmware.

# Versions, Specifications and Bands

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**Versions**

New versions of the SystemReady program are released when there are updates to any of the bands. Each band is currently in its first version, aside from SystemReady SR which is version 2 (formerly the ServerReady program).

**Bands**

The bands are target market segments and the intended OS/hypervisors. For example, SystemReady SR and LS are both for servers but target different OSes.

**Certification**

A certification is awarded when a product becomes SystemReady certified.

**Specifications**

There are 5 specifications associated with the SystemReady program which can be downloaded from arm.developer.com:

- Base System Architecture (BSA) specification
- Server Base System Architecture (SBSA) specification
- Base Boot Requirements (BBR) specification
- Base Boot Security Requirements (BBSR) specification
- SystemReady Requirements (SRS) specification
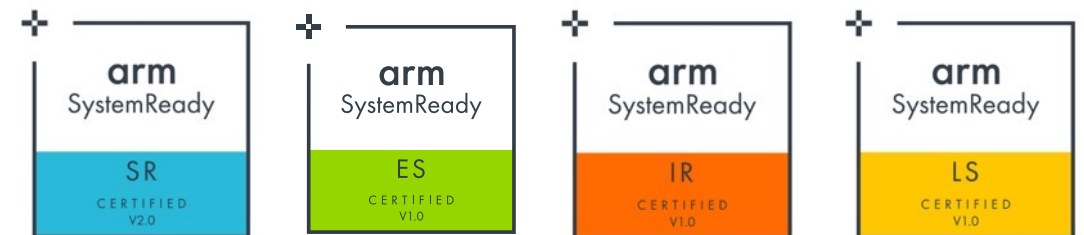
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SystemReady Logos

# Approved Logos:

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## Approved stamp logos for each band:

each logo refers to a different program. Once a partner
is certified, the relevant 'certified' stamp logo will be
provided with other marketing materials for the product.

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# Stamp logos: Standard, Certified and Security

| | | | |
|---|---|---|---|
| **Standard Stamp Logo** (This can be used where copying the full logo is not necessary) | arm SystemReady — SR | arm SystemReady — ES | arm SystemReady — IR |
| **Certified Stamp Logo** – Product is SystemReady certified (supplied to certified partners for their use to show their product is certified) | arm SystemReady — SR CERTIFIED V2.0 | arm SystemReady — ES CERTIFIED V1.0 | arm SystemReady — IR CERTIFIED V1.0 |
| **Certified Stamp Logo with security extension\***– Product is SystemReady certified and includes security extension (tba later this year) | arm SystemReady — SR CERTIFIED V2.0 | arm SystemReady — ES CERTIFIED V1.0 | arm SystemReady — IR CERTIFIED V1.0 |

© 2021 Arm        *see next slide for more details on the SystemReady security option.

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# SystemReady Security Extension

2021 launch

- Arm SystemReady will offer a security extension which provides a way to certify that secure boot and secure firmware update are implemented as prescribed by the Arm Base Boot Security Specification (BBSR).

- The security extension can be followed with the SystemReady SR, ES and IR bands.

- This is an optional component which is due to be released later this year.

# Pre-Silicon Compliance Testing

Arm strongly recommends testing for BSA compliance as part of the SoC design process.

- For silicon SoC manufacturers, each production run of a chip is costly. Pre-silicon compliance tests chips against the BSA specification before tape-out, to reduce cost and risk for our silicon partners.

- SystemReady pre-silicon compliance testing benefits:
  - Provides BSA compliance prior to tape-out
  - Confirms the architecture intent is understood correctly
  - Prevents costly silicon re-spins and software workarounds
  - Enables a well-defined and low-risk path to SystemReady

- Once a physical SoC or board has been produced it needs to go through the normal SystemReady certification in the appropriate band.

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# SystemReady Messaging

# SystemReady Messaging

**Vision: Software that just works seamlessly across a vibrant, diverse ecosystem of hardware**



## One Sentence Statement

- Arm SystemReady is a set of standards and a compliance certification program that enable interoperability with generic, off-the-shelf operating systems and hypervisors, so that software just works.

## Abbreviated Boilerplate text

- SystemReady is a foundational compliance certification program for and with the ecosystem, **to ensure software just works** - together with the ecosystem we will set the standards for a broader set of devices initially in the Server, Embedded and IoT Edge sectors.

## Standard Boilerplate text

- The Arm SystemReady program is a foundational compliance certification program **to ensure software just works** across a vibrant, diverse ecosystem of hardware. It builds on the former ServerReady program, setting the standards for a broader set of devices for the server, infrastructure edge and IoT edge sectors.

# Certification Process

# SystemReady Certification Process

## SystemReady Getting Started

**Contact Arm** → **Partner Pre-certification Tests** → **Evaluation by Arm** → **Issue Certification**

- If you are interested in becoming Arm SystemReady, please complete the contact form on our website [here](#) and a member of the team will contact you

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Thank You
Danke
Gracias
谢谢
ありがとう
Asante
Merci
감사합니다
धन्यवाद
Kiitos
شكرًا
ধন্যবাদ
תודה

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