

GAMES CONSOLES SELF-REGULATORY INITIATIVE

INDEPENDENT INSPECTOR ANNUAL COMPLIANCE REPORT

EU SRI

**Reporting Period -
January 2021 through December 2021**

Jane Lee
December 2022

(V1.1)



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01

SUMMARY

ANNUAL COMPLIANCE REPORT SUMMARY

The Summary covers the main sections of the report:

- The aims of the SRI and the key requirements covered
- The Signatories for the reporting period January through December 2021
- A Summary of the data collection process and any issues
- Compliance requirements
- Compliance verification investigation
- Details compliance confirmation

These areas will all be covered in subsequent slides

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INTRODUCTION

INTRODUCTION

The EU Self-Regulatory Initiative (SRI) establishes a voluntary agreement for improved energy and resource efficiency, and end of life treatment and recycling of games consoles

The EU SRI details the scope, definitions and commitments, and other administration elements

A copy of the EU SRI can be found at the 'efficientgaming' website

For the reporting period January 2021 through December 2021 the EU SRI version 4.0 applies

The Annual Compliance Report has been compiled by the Independent Inspector following the submissions of Product Compliance Reports by the Signatories

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SIGNATORIES



SIGNATORIES

The SRI covers games consoles placed on the EU market by the Signatories

The Signatories are the three manufacturers of games consoles sold in the EU

Microsoft
Corporation

Nintendo Co., Ltd.

Sony Interactive
Entertainment Inc.

They represent 100% of the EU market

- In 2021 EU sales of games consoles amounted to around 16M units, however this data (from VGChartz) includes the Nintendo Switch Lite (which is out of scope for the SRI) and UK sales data
- Nine games consoles fall within the scope of the EU SRI
- The version of the EU SRI for the reporting period includes provision for reporting non-energy/resource efficiency requirements for consoles using < 20 W.

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COMMITMENTS AND REQUIREMENTS

REPORTING COMMITMENTS

Three main reporting commitments to be met by the Signatories for the Annual Compliance Report:

Ensure that Product Compliance Reports for all games consoles within the scope are submitted on time

Reviewed by the Independent Inspector

Ensure that the Product Compliance Reports for all games consoles are complete

Reviewed by the Independent Inspector

Ensure that no more than 10% of products, within the scope of the SRI, from an individual Signatory fail to comply with the requirements in the SRI

The Signatory completes a declaration within the PCR

A fourth commitment - to demonstrate that the SRI covers more than 80% of the games consoles sold in the EU for the preceding reporting period – requires the Signatories to report directly to the European Commission.

ENERGY EFFICIENCY – POWER CAPS

Apply to consoles consuming more than 20W in Active Gaming Mode



Mode / Console Type	High Definition	Ultra-high Definition			8K Capable	
		Media Capable	Gaming Capable			
Navigation Tier 6 From Jan 2021	50W Measured at HD video resolution	50W Measured at HD and UHD video resolutions	65W Measured HD video resolutions	70W Measured at HD and UHD video resolutions	70W Measured at HD and UHD video resolutions	
Media Play back and Streaming Tier 6 From Jan 2021	60W Measured at HD video resolution	60W Measured at HD and UHD video resolutions	70W Measured with HD video resolution	110W Measured at UHD video resolutions	70W Measured with HD video resolutions	100W Measured at UHD video resolutions

ENERGY EFFICIENCY – AUTO POWER DOWN



Apply to consoles consuming more than 20W in Active Gaming Mode

Navigation mode and Active Gaming: within 60 min

Media Playback (Disc and Streaming): within 4 hours

of starting any audio or video media playback

within 1 hour or less

after user inactivity after termination of video media content



NON-ENERGY COMMITMENTS - 1

Resource efficiency and end-of-life

Facilitate refurbishment or out-of-warranty repair services:

Make **spare parts** available to authorised repair or refurbishment centres

Facilitate **non-destructive disassembly** of key components for recycling and reuse

Use of **joining and sealing techniques** that do not prevent removal of components

Component accessing enabled by documenting the **dismantling operations**

Make **technical documents** available to authorised repair centres

Apply to all consoles

For end-of-life, efficient recycling is facilitated by:

Marking of plastic parts according to material composition (parts >25g)

Any external plastic enclosure components >100 g are removable using **tools** commercially available to recyclers

Providing information on whether plastic enclosure parts >25 g contain any halogenated **flame retardants** >1000ppm

NON-ENERGY COMMITMENTS - 2



Apply to all consoles

Support product life extension by providing users information on:

How to keep the product in **good working order**

Instructions on **deleting personal data**

Information on options to **upgrade** the console

Information on **end-of-life** processing, **refurbishment** and out-of-warranty **repair** options

NON-ENERGY COMMITMENTS - 3



Information to consumers

Information for consumers is to be provided within console operating instructions - with the console itself, onscreen or hardcopy, or online:

Some energy consumption data (different modes)

Energy-saving advice (default modes and settings)

Adjusting automatic-power down settings

Signposts to end-of-life, refurbishment and out-of-warranty service information

Apply to all consoles

Information to support product life extensions as given in the previous slide

Information on reparability, such as:

- whether commercially available or specialized proprietary tools are necessary,

- whether any repairer or authorized experts are required for repair diagnostics

- availability of spare parts by all repairers or only manufacturer authorized providers

- whether an out-of-warranty repair service is provided

MARKET COVERAGE



Each Signatory must ensure that at least 90% of the games consoles it places on the market and/or put into service meet the requirements of the SRI

By self-declaration using the PCR

The Signatories, in aggregate, must account for more than 80% of the unit sales of Games Consoles in the EU

Signatories are required to provide independent market data to prove this level of market coverage to the European Commission every two years.

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DATA COLLECTION AND PROCESSING



Data is submitted by the Signatories using a Product Compliance Report (PCR) template



Independent Inspector reviews the PCR to check that it is complete



Independent Inspector produces an Individual Compliance Report for each Signatory specifying any issues or confirming compliance



If required, a Signatory provides clarification on any issues and may resubmit a PCR



Independent Inspector produces the Annual Compliance Report

PRODUCT COMPLIANCE REPORT

- One product compliance report includes all the consoles from one manufacturer
- Signatories record whether a games console is:
 - a new games console
 - a revised model of an existing games console
 - or an existing games console model
- Only for a new games console is the completion of the whole PCR required
- For existing and revised consoles previously submitted PCR can be referenced
- The Signatories can cover the majority of SRI requirements by providing links to online consumer information

INDEPENDENT INSPECTOR REVIEW

The Product Compliance Reports (PCRs) were reviewed for completeness and online links checked to ensure the relevant information was provided

Microsoft

Two existing models – reference to the previous PCR published on the Efficiency Gaming website.

Nintendo

Two consoles that now fall within scope for non-energy requirements for consoles using < 20W – new PCR

Sony

Three consoles the same as the previous reporting period - reference to previous PCRs but with updated links to consumer information

Two new consoles – information and online links provided in a PCR

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SIGNATORY COMPLIANCE

SIGNATORY COMPLIANCE



Signatory Requirement	Compliance
Ensure that Product Compliance Reports for all games consoles within the scope of the SRI are submitted to the Independent Inspector on time	All reports received by the end of February
Ensure that the Product Compliance Reports for all games consoles are complete	Reports for all games consoles received and completed
Ensure that no more than 10% of products, within the scope of the SRI, from an individual Signatory fail to comply with the requirements in the SRI	All manufacturers submitting PCRs declared that all consoles comply



COMPLIANCE SUMMARY

The three Signatory manufacturers and nine games consoles covered by, and complying with, the SRI for the reporting period 2021 are:

Manufacturer	Games Console	Type
Microsoft	Xbox Series X (1882)	8K Definition Gaming Capable
Microsoft	Xbox Series S (1883)	Ultra High Definition Media Capable
<i>Nintendo</i>	<i>Nintendo Switch (HAC-001(-01))</i>	<i>High Definition <20W</i>
<i>Nintendo</i>	<i>Nintendo Switch OLED Model (HEG-001)</i>	<i>High Definition <20W</i>
Sony	PlayStation®4 (CUH-2216)	Ultra High Definition Media Capable
Sony	PlayStation®5 (CFI-1016A)	8K Definition Capable
Sony	PlayStation®5 Digital Edition (CFI-1016B)	8K Definition Capable
<i>Sony</i>	<i>PlayStation®5 (CFI-1116A)</i>	<i>8K Definition Capable</i>
<i>Sony</i>	<i>PlayStation®5 Digital Edition (CFI-1116B)</i>	<i>8K Definition Capable</i>

The new consoles for this reporting period are in *italics*.

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COMPLIANCE VERIFICATION INVESTIGATION

REPORTING AND VERIFICATION TIMELINE



2021

- Consoles on the market Jan – Dec 2020
- PCRs (2020) submitted Feb 2021
- ACR 2021 (for 2020 PCRs) issued May 2021

2021/
2022

- Verification testing Summer 2021 (for 2020 PCRs)
- Reports to Signatories Autumn/Winter 2021
- Verification testing reported in ACR 2022 (for 2020 PCRs) May 2022

2022

- Verification testing Summer 2022 (for 2021 PCRs & retest of 2020 samples)
- Reports to Signatories Autumn 2022
- Reported in next ACR 2023

COMPLIANCE VERIFICATION INVESTIGATION - 1



The SRI includes a requirement that a product compliance investigation may be conducted on any new games console model or a revised model after it is first placed on the market

Samples

- Microsoft and Sony both launched two new consoles to the market in 2020
- Availability issues for some consoles from high-street and online stores
- Agreed approach was used with some retail spec samples being provide by Signatories
- Test report would be issued with interim results for these samples

Console	Provision of Sample
Microsoft Xbox Series S 1883	Purchased from a consumer retailer
Microsoft Xbox Series X 1882	Provided directly from Microsoft
Sony Playstation5® Digital Edition CFI-1016B	Provided directly from Sony
Sony Playstation5® CFI-1016A	Provided directly from Sony

COMPLIANCE VERIFICATION INVESTIGATION - 2

Testing and Reporting

Testing and verification was undertaken by the Consumer Electronics division of Intertek Performance Electrical & Network Assurance test facility in Milton Keynes, UK

Energy consumption test results (Annex A-1) and the non-energy requirements & energy efficiency information (Annex A-2) was compared to the specifications in version 3.0 of the SRI

Version 3.0 was used as the SRI refers to testing consoles subsequent to the PCR submission – the PCRs submissions were for the reporting period (2020) when version 3.0 applied

As the testing was undertaken in 2021 Signatories requested that the verification should be against SRI version 4.0

Both manufacturers had compliant console samples for both version 3.0 and 4.0 (although reports hadn't been issued at the point when the ACR was produced)

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RECOMMENDATIONS



Compliance Investigation

Discussions between the Independent Inspector and the Signatories have addressed the different interpretations regarding the compliance verification testing approach

In future revisions the SRI should clarify that:

- There is communication between the Independent Inspector and Signatories to confirm the SRI version that will be used at the point of compliance testing
- The Independent Inspector requests that all the verification information in relation to Annex A-2 is provided immediately prior to a compliance review (regardless of previous provision with the PCR submission)

Jane Lee

 jane.lee@intertek.com

Stephen Fernandes

 stephen.fernandes@intertek.com

 intertek.com



intertek

Total Quality. Assured.