



**UK IT SECURITY EVALUATION AND  
CERTIFICATION SCHEME**



122-B

**CERTIFICATION REPORT No. P165**

**Sony FeliCa Contactless Smart Card  
RC-S860**

**Sony CXD9559, ROM Version 6, OS Version 3.1**

has been evaluated under the terms of the Scheme  
and complies with the requirements for

**EAL4 COMMON CRITERIA (ISO 15408) ASSURANCE LEVEL**

Issue 1.0

March 2002

© Crown Copyright 2002

Reproduction is authorised provided the report  
is copied in its entirety

UK IT Security Evaluation and Certification Scheme  
Certification Body, PO Box 152  
Cheltenham, Glos GL52 5UF  
United Kingdom

**ARRANGEMENT ON THE  
MUTUAL RECOGNITION OF COMMON CRITERIA CERTIFICATES  
IN THE FIELD OF INFORMATION TECHNOLOGY SECURITY**

**(CCRA)**

The Certification Body of the UK IT Security Evaluation and Certification Scheme is a member of the above Arrangement and as such this confirms that the Common Criteria certificate has been issued by or under the authority of a Party to this Arrangement and is the Party's claim that the certificate has been issued in accordance with the terms of this Arrangement.

The judgements contained in the certificate and Certification Report are those of the Qualified Certification Body which issued it and of the Evaluation Facility which carried out the evaluation. There is no implication of acceptance by other Members of the Agreement Group of liability in respect of those judgements or for loss sustained as a result of reliance placed upon those judgements by a third party.

**Trademarks:**

The following trademarks are acknowledged:

Sony Corporation

All other product or company names are used for identification purposes only and may be trademarks of their respective owners.

## **CERTIFICATION STATEMENT**

FeliCa RC-S860 is a Contactless Smart Card developed by Sony Corporation.

FeliCa RC-S860 (Sony CXD9559, ROM Version 6, OS Version 3.1) has been evaluated under the terms of the UK IT Security Evaluation and Certification Scheme and has met Common Criteria Part 3 requirements of Assurance Level EAL4 for the specified Common Criteria Part 2 functionality. The Security Target did not invoke CC augmented assurance or extended functionality.

Protection Profile claims were not invoked in the Security Target.

Given the nature of threats to smartcards, the “Important Notice for Customers FeliCa RC-S860” [z] and “Sony FeliCa RC-S860 Hardware Evaluation Report, Datacard Group” [o] should be consulted to allow a proper risk analysis to be performed before FeliCa RC-S860 is deployed.

**Originator**                      **CESG**  
Certifier

**Approval**                      **CESG**  
**and Authorisation**      Head of the Certification Body

**Date authorised**              4 March 2002

(This page is intentionally left blank)

## TABLE OF CONTENTS

<b>CERTIFICATION STATEMENT .....</b>	<b>iii</b>
<b>TABLE OF CONTENTS.....</b>	<b>v</b>
<b>ABBREVIATIONS .....</b>	<b>vii</b>
<b>REFERENCES.....</b>	<b>ix</b>
<b>I. EXECUTIVE SUMMARY .....</b>	<b>1</b>
Introduction.....	1
Evaluated Product .....	1
TOE Scope.....	1
Protection Profile Conformance .....	2
Assurance.....	2
Strength of Function Claims .....	2
Security Policy.....	2
Security Claims.....	2
Evaluation Conduct.....	3
Certification Result.....	4
General Points.....	4
<b>II. EVALUATION FINDINGS.....</b>	<b>5</b>
Introduction.....	5
Architectural Information .....	5
Security Policy Model .....	5
Delivery .....	5
Guidance Documentation .....	7
Strength of Function .....	7
Vulnerability Analysis .....	7
IT Product Testing .....	7
Software Testing.....	7
Hardware Testing.....	8
<b>III. EVALUATION OUTCOME .....</b>	<b>9</b>
Certification Result.....	9
Recommendations.....	9
<b>ANNEX A: EVALUATED CONFIGURATION .....</b>	<b>11</b>
<b>ANNEX B: PRODUCT SECURITY ARCHITECTURE .....</b>	<b>13</b>

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.