joyn Blackbird Drop 1 accreditation guidelines

1.0

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Security Classification – NON CONFIDENTIAL GSMA MATERIAL

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1 Introduction

1.1 Scope

This is a complimentary document to the Self-accreditation Handbook [9] where all the main accreditation steps are described in detail. This document provides practical guidelines on performing the delta accreditation process introduced for joyn Blackbird Drop 1.

The process is described for licensees in different stages of accreditation including those that have already an ongoing accreditation submission. The document includes an overview of the general process for accrediting RCS implementations with support for joyn Blackbird Drop 1 and provides timeframes for the transition phase from 'joyn Hot Fixes' accreditation (i.e. the current accreditation framework) to the accreditation of 'joyn Blackbird Drop 1'.

1.2 Document Validity

This document is valid only until all existing provisionally accredited parties or those already undergoing accreditation have undertaken the delta test case set for joyn Blackbird Drop 1 and until November 15th 2013, at which time the complete new accreditation framework is to be in place as stated in Section 3, Timeframes.

1.3 Definition of Terms

Term	Description
BB	joyn Blackbird
HTTP	Hyper Text Transfer Protocol
IM	Instant Messaging
IOT	Interoperability testing
MNO	Mobile Network Operator
OEM	Original Equipment Manufacturer
QC	Quality Check
RCS	Rich Communications Services, the name of the GSMA programme to encourage adoption of rich communications
RCS	Rich Communications Services, the set of functionality documented in the RCS releases 1 to 5
RCS-e	Rich Communications Services – enhanced, the launch specification announced at Mobile World Congress 2011 and committed to launch by Deutsche Telekom, Orange, Telecom Italia, Telefonica and Vodafone
TC	Test Case
UI	User Interface
UX	User Experience

1.4 Document Cross-References

Ref	Document Number	Title
[1]	RCS5.1	Rich Communication Suite 5.1 Advanced Communications: Services and Client Specification
[2]	PDD	joyn Blackbird Product Definition Document
[3]	RCSe	RCS-e – Advanced Communications: Services and Client Specification version 1.2.2
[4]	RIG	RCS-e Implementation Guidelines
[5]	UEG	RCS-e v1.2 joyn Hot Fixes User Experience Guidance Document
[6]	-	joyn Blackbird Drop 1 IOT Delta Test Cases Matrix
[7]	-	joyn Blackbird Drop 1 UX Verification Test Cases Matrix
[8]	-	joyn Blackbird Drop 1 QC Test Cases Matrix
[9]	RCS IOT 003	Self-accreditation handbook

2 joyn Blackbird Drop 1 accreditation process overview

2.1 joyn Blackbird Drop 1 summary

The ‘joyn’ accreditation process is a part of the Rich Communications Suite (RCS) Programme’s IOT activities. It underpins and is an obligation of the joyn logo license agreement which is required in order to use the service mark ’joyn’ created for Rich Communications Suite (RCS).

The formal launch of the ‘joyn’ accreditation process was on February 15th 2012 and from this date several networks and clients passed through the IOT process and have been accredited to use the ’joyn’ service mark. This process has been updated with the inclusion of lessons learned from the field testing and practical implementations and has consequently evolved to the current joyn Hot Fixes framework. The joyn Hot Fixes framework is based on the RCSe v1.2.2 specification [3], related UX Guidelines [5] and the RCS Implementation Guidelines [4].

Following the introduction of RCS specification release 5.1 with its new services and features, it has been agreed by the RCS Programme to further evolve the licensing and accreditation framework accordingly. The new accreditation framework, known as Blackbird Drop 1, is based on the RCS specification version 5.1 [1] and joyn Blackbird Product Definition Document [2]. To verify compliance of the RCS implementations to this new framework, the IOT Test Cases Matrix, UX verification matrix and Quality Check lists have been updated.

This update of documentation mentioned above is illustrated in Figure 1.

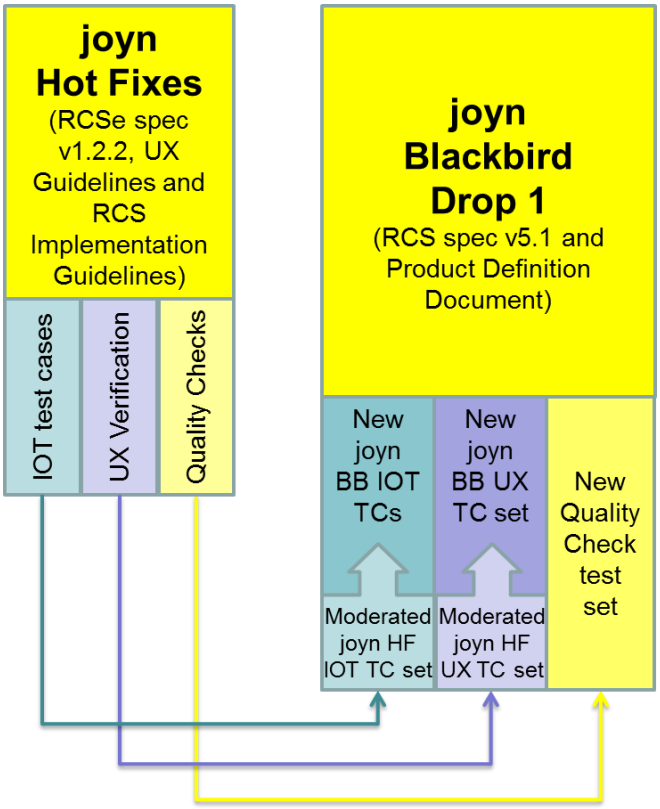

Figure 1: Evolution of joyn documentation towards Blackbird Drop 1

The goal of the GSMA RCS IOT activities is to achieve high quality of the RCS implementations across all networks and clients. Thus a similar process may be followed for other significant updates that will be released in the future.

2.2 Accreditation Process guidelines for the licensees

joyn Blackbird Drop 1 is an update to the current Accreditation Framework which has been in place since 14 December 2012. An important consequence of this update is that there can be the following accreditation states of the Licensees:

1) Accredited – *Licensee who has completed at minimum the Provisional accreditation step and was granted a right to carry the joyn service mark*

2) In the accreditation process – *Licensee who currently has an ongoing IOT testing process and associated ongoing accreditation submission*

3) Not yet entered into the accreditation process – *Licensee who has signed the License Agreement but has not yet started the accreditation process*

The clauses here below provide the description of procedures for different accreditation states of Licensees in order to be accredited for joyn Blackbird Drop 1 requirements.

2.2.1 Initial assumptions

In order to avoid the impasse where without accredited clients it is not possible to accredit networks and other clients, and there being no accredited network to support client accreditation, the following initial assumptions are made:

1. At the launch of the accreditation framework for joyn Blackbird Drop 1 as stated in section 3 each Operator will provide its initial reference client to be used for accreditation purposes.

2. The reference clients of Operators will have to pass initial accreditation testing in a back-to-back mode using only joyn Blackbird Drop 1 test cases [6]. These reference clients do not need to perform UX verification or pass the Quality Check.
3. In order to gain provisional accreditation the very first commercial client which has implemented Blackbird Drop 1 can be tested:
   - against itself on a joyn Blackbird Drop 1 accredited network AND against reference client of that accredited network OR
   - against a reference client in one accredited network AND against another reference client in another accredited network
4. Upon availability of the very first joyn Blackbird Drop 1 accredited commercial client, all other clients seeking accreditation shall be tested against accredited commercial clients and back to back loop testing will not be a permitted route to accreditation.
5. Accreditation principles (Provisional and Full accreditation) described in Annex C of the joyn Logo License Agreement remain applicable and enforceable for joyn Blackbird Drop 1 accreditation of commercial implementations.

2.2.2 Service Profiles

Similar to current accreditation framework two service profiles (BASIC and STANDARD) have been introduced to provide an accreditation path for devices which may not support Image Share and Video Share due to processor power and battery life implications or commercial choice. Details on these two service profiles are listed below (Figure 2).

Release / Profile	BASIC PROFILE	STANDARD PROFILE
Blackbird drop 1	Baseline functionality: registration, provisioning, capability discovery and connectivity apply across both profiles	
	Integrated messaging • Chat • Group chat • Emoticons /emoji **+** File transfer (HTTP based) • FT in Group Chat	Integrated Messaging • Chat • Group Chat • Emoticons **+** File Transfer (HTTP based) • FT in Group Chat **+** In-call sharing • Image share • Video share

Figure 2: Blackbird Drop 1 profiles details

Note: Integrated messaging refers to both the converged inbox experience and the fully integrated experience.

2.2.3 Procedure for already accredited Licensees

For those Licensees who have already been granted at minimum a Provisional accreditation, the procedure for achieving joyn Blackbird Drop 1 accreditation is as follows:

1) Perform testing using the joyn Blackbird Drop 1 IOT delta test cases set [6] following the accreditation approach and principles as described in in Annex C of the joyn Logo License Agreement and the Self-accreditation handbook.
2) Provide a declaration of compliance to the joyn Hot Fixes as well as to the joyn Blackbird Drop 1 frameworks.
3) Provide test results and traces to the GSMA for assessment as was done for the test traces and results required for provisional accreditation to joyn hot fixes.
4) Complete the UX assessment sheet [7] with compliance statements according to the enclosed instructions and return back to the GSMA.
5) The following UX verification pass conditions are applicable:
   - Less than 100% pass on P0 and/or less than 75% pass on P1 test cases = client fails UX verification
   - 100% pass on P0 test cases + 75%- 89% pass on P1 test cases = client ***may*** be verified. This is subject to a review of the non-compliant/partially P1 test cases.
   - 100% pass on P0 test cases + more than 90% pass P1 test case (10% flexibility to accommodate potential O/S limitations only) = client is ready for accreditation and requires Product Group signoff

   Test case weighting:
   P0- core functionality, **Mandatory** and launch blocking
   P1- sub case of core functionality, **Mandatory**/launch blocking
   P2-sub case of core functionality, **Mandatory**/ not launch blocking
   P3- sub case of core functionality, **Highly recommended**/ not launch blocking

6) In order to proceed with further UX verification [7] and Quality Check [8] steps, Licensee shall negotiate with GSMA and Operator representatives on dates for corresponding testing and consequently provide 4 [TBC] devices or instances of the client for the express purpose of undertaking these activities, after which they shall be returned. Alternatively, the licensee may provide a representative with the devices or ready-installed clients to chaperone the devices/installed clients and support the above activities in coordination with the GSMA Product team and Operator representatives.

NOTE: All procedures related to collecting test cases and providing them back to the GSMA are applicable as in the Self-accreditation Handbook [9].

2.2.4 Procedure for Licensees in the accreditation process

For those Licensees who have not yet been granted accreditation though they are undertaking the testing process, the procedure for achieving joyn Blackbird Drop 1 accreditation is as follows:

1) Continue with accreditation process for joyn Hot Fixes.
2) Perform additional testing using the joyn Blackbird Drop 1 IOT delta test cases set [6].
3) Provide additional declaration of compliance to the joyn Hot Fixes as well as to the joyn Blackbird Drop 1 frameworks.
4) After completing the general accreditation process, provide test results and traces for accreditation to the GSMA for assessment.
5) Complete the UX assessment sheet [7] with compliance statements according to the enclosed instructions and return back to the GSMA. UX verification pass conditions stated in section 2.2.3 are applicable here as well.

6) In order to proceed with further UX verification [7] and Quality Check [8]] steps, Licensee shall negotiate with GSMA and Operator representatives on dates for corresponding testing and consequently provide 4 [TBC] devices or instances of the client for the express purpose of undertaking these activities, after which they shall be returned. Alternatively, the licensee may provide a representative with the devices or ready-installed clients to chaperone the devices/installed clients and support the activities in coordination with the GSMA Product team and Operator representatives.

NOTE: All procedures related to collecting test cases and providing them back to the GSMA are applicable as described in the Self-accreditation Handbook [9].

2.2.5 Procedure for Licensees not yet involved into the accreditation process

Licensees which have just signed the License Agreement have to options for being involved in the accreditation process.

Option 1:

1) Start with accreditation process for current framework (joyn Hot Fixes).
2) Perform additional testing using the joyn Blackbird Drop 1 IOT delta test cases set [6].
3) Provide additional declaration of compliance to the joyn Blackbird Drop 1 framework.
4) After completing the general accreditation process provide test results and traces for accreditation to the GSMA for assessment.
7) Complete the UX assessment sheet [7] with compliance statements according to the enclosed instructions and return back to the GSMA. UX verification pass conditions stated in section 2.2.3 are applicable here as well.
5) In order to proceed with further UX verification [7] and Quality Check [8] steps, Licensee shall negotiate with GSMA and Operator representatives on dates for corresponding testing and consequently provide 4 [TBC] devices or instances of the client for the express purpose of undertaking these activities, after which they shall be returned. Alternatively, the licensee may provide a representative with the devices or ready-installed clients to chaperone the devices/installed clients and support the activities in coordination with the GSMA Product team and Operator representatives

Option 2:

1) Wait for availability of the complete accreditation framework incorporating Blackbird Drop 1. This is further described in the next clause.
2) Start accreditation testing using standard procedures described in the Self-accreditation Handbook [9].

NOTE: All procedures related to collecting test cases and providing them back to the GSMA are applicable as in the Self-accreditation Handbook [9].

3 Timeframes

The ‘joyn’ Blackbird Drop 1 accreditation process is to be officially launched by GSMA from August 1st 2013. From this date there will be a transition period from the current accreditation framework to the complete new accreditation framework incorporating joyn Blackbird Drop 1 aspects. This transition period shall last 3 months and be concluded no later than November 15th 2013 upon official announce by GSMA of the new framework.

During the 3 months transition period Licensees will be able to accredit their implementations with joyn Blackbird Drop 1 depending on procedures defined in Section 2 above.

Possible options for different types accreditation states for the Licensees are illustrated in the below (Figure 3).

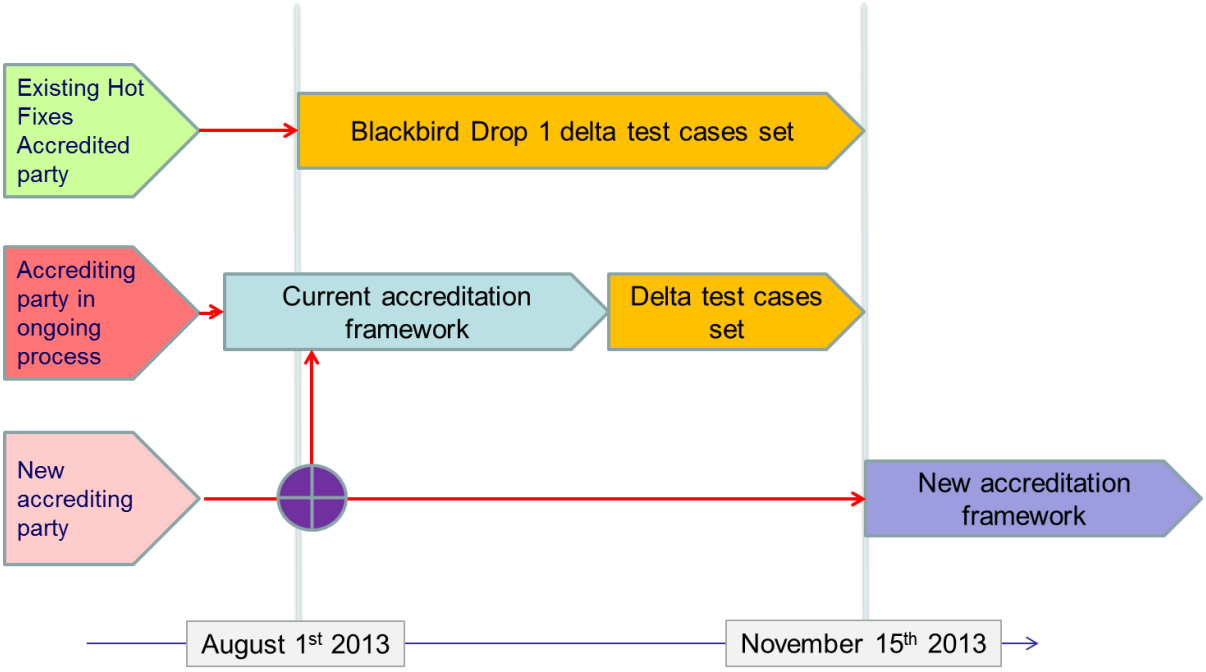

Figure 3: Timeframes and proposed approach for different parties

After the end of the transition period it will be still possible to upgrade joyn Hot Fixes implementations to joyn Blackbird Drop 1 but the new accrediting parties will have to use complete test sets without any fragmentations and delta sets.

The joyn Hot Fixes accreditation framework will be transferred to the Global Certification Forum (GCF) and all requests for such accreditations shall be forwarded to the GCF. Exact dates of the joyn Hot Fixes accreditation process delegation to GCF are to be confirmed and updated in this document and separate RCS Programme communications.

Document Management

Document History

Version	Date	Brief Description of Change	Approval Authority	Editor / Company
0.1	12.06.2013	First draft version		Konstantin Savin / GSMA
0.2	13.06.2013	Updated draft with comments from GSMA IOT team		Konstantin Savin / GSMA
1.0	19.06.2013	First version approved by the IOT MNO Group	RCS IOT MNO	Konstantin Savin / GSMA

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