XBID-DSA Hosting

Attachment 5A.2 – Service Description Hosting Preproduction and Operation

Appendix 5A.2-B AIP120 – Failover Concept

Version 9.0

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Initial of DBAG

1 Introduction

1.1 About this Document

This Appendix 5A.2-B AIP120 – Failover Concept sets forth the measures taken by DBAG and to be complied with by DBAG to provide operation of the XBID Solution in accordance with the Service Level Agreement as described in Attachment 5B (Service Level Agreement – Hosting). Due to the availability requirements, failover capabilities of all infrastructural and application components involved in Hosting Services are crucial.

A general overview over the system setup is provided in chapter 2**Chyba! Nenalezen zdroj odkazů.** with chapter 3 referring to the operational mode in the case no failover happens.

Chapter 4 describes the behavior of the XBID Solution in a failover situation and potential measures. Chapter 5 shows the mechanisms used to store and recover data in the case of data loss.

1.2 Intended audience

This document is intended for the following user groups:

- Developers of third party applications connecting to the XBID Solution
- Users of GUI interfaces of the XBID Solution
- The PXs

1.3 Referenced Documents

This document refers to:

- **Exhibit 1** (*Key Terms and Glossary*)
- **Attachment 4E** (*AIP100 – Software Architecture*)
- **Attachment 5A.2** (Service Description – Hosting)
- **Attachment 5B** (Service Level Agreement – Hosting)
- **Attachment 5E** (*AIP110 – Technical Architecture Topology Diagram*)
- DFS510 AMQP Public Message Interface – Trading
- CR055 Events and Notifications

2 Failover of XBID Solution

2.1 General concept

[redacted]

[1] The subsequent chapters do not go into detail of the behaviour of SFTP interface in case of SFTP failover.

[redacted]

2.2 Overview

[redacted]

2.3 Logical System Architecture

[redacted]

2.4 Active-active setup

2.5 Active-passive setup

[redacted]

Initial of DBAG

Initial of DBAG

3 XBID Normal operation

3.1 Identification

[redacted]

3.2 Status

[redacted]

4 XBID Failover operation

4.1 Identification

[redacted]

[redacted]

- [redacted]

- [redacted]

- [redacted]

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[redacted]

[redacted]

[redacted]

[redacted]

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4.1.3 [redacted]

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4.1.4 [redacted]

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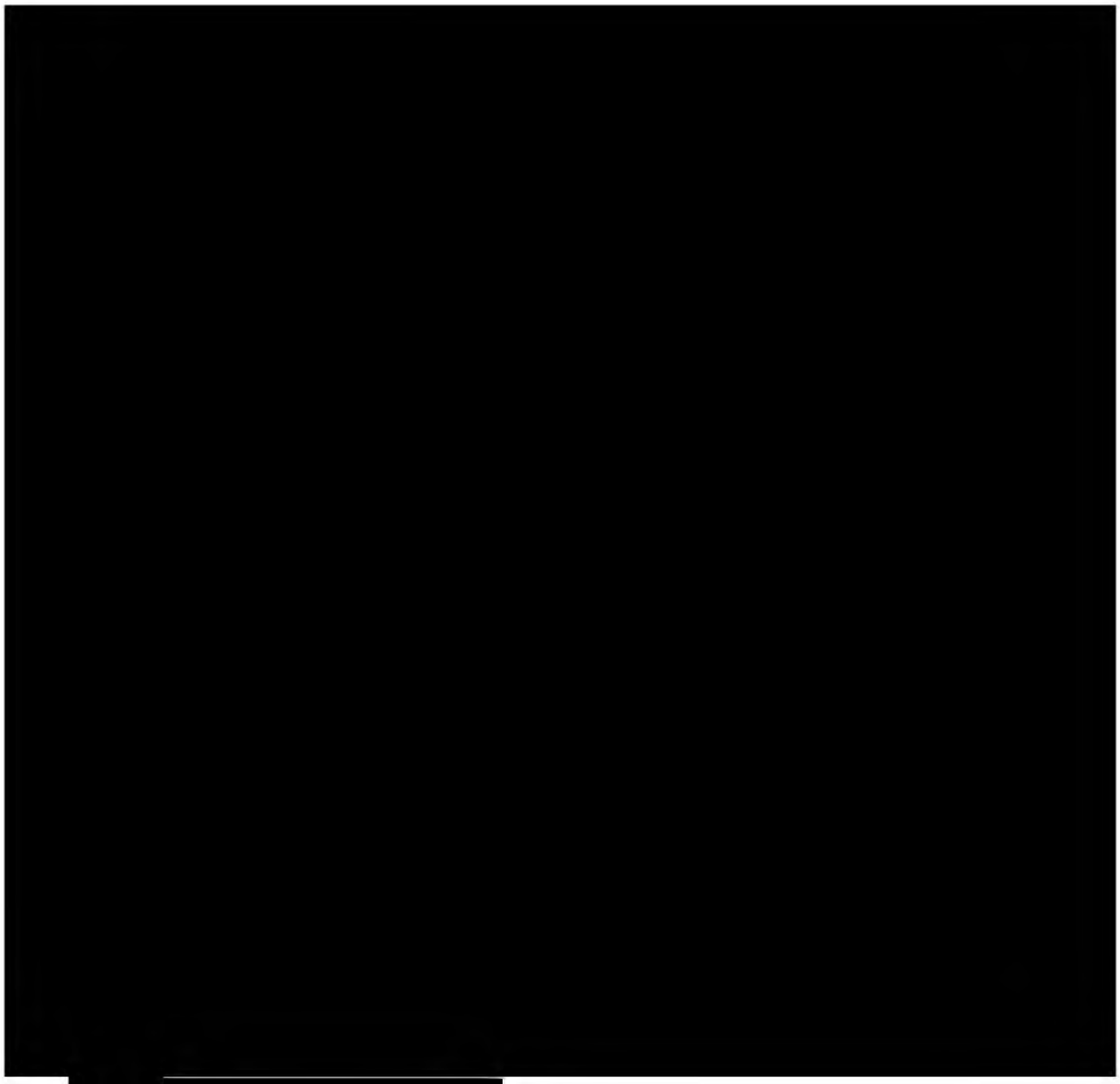

4.2 Status

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[redacted]

[redacted]

4.2.1 [redacted]

[redacted]

[redacted]

[redacted]

Initial of
DBAG

4.3 Return to normal operation

[redacted]

[redacted]

5 XBID Disaster operation

5.1 Identification

[redacted]

5.1.1 [redacted]

[redacted]

5.2 Status

[redacted]

5.3 Return to normal operation

[redacted]

6 Failure of two data centers

[redacted]

7 Backup and restoration

7.1 Backup

[redacted]

7.2 Journals

[redacted]

7.3 Restoration

[redacted]

7.4 Journal replay (Roll forward)

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7.5 Inbound and outbound

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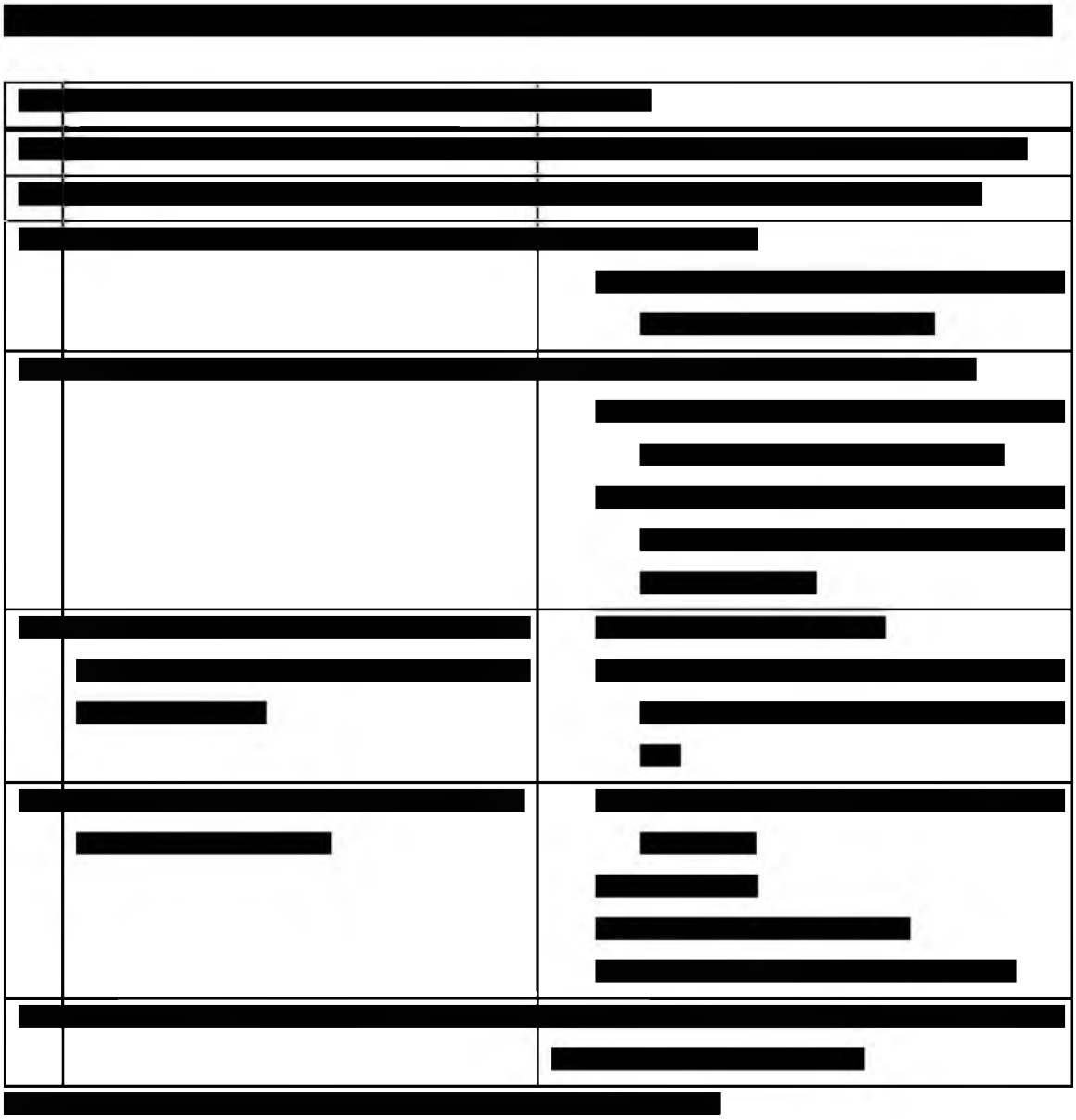
7.6 File versioning after system restore

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