

# BIRT API Change Control Document

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## 1. Introduction

Add interface to encapsulate the operations related with TOC node and TOC tree.

## 2. Changed APIs:

### 2.1 Name : IReportDocument

Component name : org.eclipse.birt.report.engine

Package name : org.eclipse.birt.report.engine.api

Change Request:

#### 1. Deprecate method:

**TOCNode findTOC( String tocId );**

Proposed Solution:

Given a IReportDocument(*document*), TOC should be found as following:

```
ITOCTree tocTree = document.getTOCTree( );  
List nodes = tocTree.findTOC ( "TOCName" );
```

Previously *findTOC* returns a root TOC node, that's to say, the node has parent and children. Currently, the method *ITOCTree.findTOC* returns a single node, no parent, no children.

#### 2. Deprecate method:

**TOCNode findTOCByName( String tocId );**

Proposed Solution:

Given a IReportDocument(*document*), TOC should be found as following:

```
ITOCTree tocTree = document.getTOCTree( );
```

*List nodes = tocTree.findTOCByName( "TOCName" );*

Previously *findTOCByName* returns a list of root TOC node, that's to say, the nodes have parent and children. Currently, the method *ITOCtree.findTOCByName* returns a list of single nodes, no parent, no children.

### 3. Added APIs:

#### 3.1 Name : IReportDocument

Component name : org.eclipse.birt.report.engine

Package name : org.eclipse.birt.report.engine.api

Change Request:

3. Add method:

*ITOCtree getTOCtree( );*

Proposed Solution:

*ITOCtree* is a newly added interface in *org.eclipse.birt.report.engine.api*. It has following methods:

a. *TOCNode findTOC( String tocId )*

Gets a single TOC node with specified TOC ID.

b. *TOCNode findTOCByName( String tocName )*

Gets a single TOC node with specified TOC name.

c. *TOCNode getTOCtree(String format, ULocale locale )*

Gets a toc root node ( has parent and children) under a specified format. In this returned TOC tree, the TOCs of the hidden items are removed.

### 4. Removed APIs:

None.

### 5. Miscellaneous Change Requests

None.