

## Ringgold Identify Database Delta External Schema

Introduction.....	2
New in this version .....	2
General .....	2
Coverage and frequency.....	2
Complete data set .....	2
Delta data sets.....	2
Dataset & Recordsets .....	2
Packages .....	2
Character set options (charset) .....	3
Dataset Options.....	3
Dataset Content.....	3
Recordset Details.....	3
Institutions.....	3
Deleted_institutions.....	6
Taxonomy .....	6
alt_names - note types (Current as of 2017-03-13) .....	7
classifications – classification types (Current as of 2017-03-13).....	8
identifiers – external identifier types (Current as of 2017-03-13) .....	8
tiers – tier types (Current as of 2017-03-13).....	9
urls – note types (Current as of 2017-03-13) .....	9
Example JSON Dataset (incomplete with non-functional formatting for readability) .....	10

## Introduction

This document is designed to provide customers with an overview and detail of organization data files available from Ringgold for their internal use.

## New in this version

- ◆ Deltas ver 2.2.0. This version uses a new document or object based record set instead of a relational database table format.
- ◆ Introduces delta update record sets.

## General

The database consists of 3 recordsets. Instead of multiple tables of related data, the entire institution document is supplied with all related information embedded as arrays within the proper institution document.

## Coverage and frequency

Entire datasets and delta (or update) datasets are published weekly.

Data is delivered to our protected content delivery service (Eg ShareFile) and access is granted as needed.

## Complete data set

All records available at the time of publication will be included.

## Delta data sets

Consists of records added or modified during the previous weekly production cycle as indicated by the date range in the filename.

## Dataset & Recordsets

- Dataset will contain 3 possible recordsets:
  - Institutions
  - DeletedInstitutions
  - Taxonomy
- Delta datasets will contain only records added or changed since the last date of publishing a delta.

## Packages

All datasets will be compressed into 'zip' package files compatible with Linux zip and WinZip.

## Character set options (charset)

- UTF-8

## Dataset Options

- JSON – JavaScript Object Notation
- XML – eXtensible Markup Language

## Dataset Content

Recordset	Content	Notes
Institutions	The core table for the database. Contains the Ringgold ID, name, city, country, type etc.	Contains all metadata including, but not limited to, alternate names, urls, classifications...
Deleted_institutions	Institution documents recently deleted from active use.	Mostly used to remove institutions from the customer's active database.
Taxonomy	A reference table (or list) of standardized tiers and terms used in exports.	Provides extended descriptions for terms occurring in classifications, rg_tiers, types.

## Recordset Details

### Institutions

Element	Type	Length	Content
ringgold_id	int	11	This is the Ringgold ID.
body_type	string	1	"I" for institution "C" for consortium
name	string	150	Name of the organization in the language of the country where the organization is based. Other names are in the alt_names collection below.. Diacritical characters are normalized to non-diacritical equivalents.
city	string	60	City name – no diacritics.
state	string	25	State/region/county/province or other admin area.
post_code	string	20	Zip or postcode.

country	string	4	ISO-3166 2 digit code.
type	string	50	One of a set of codes used to characterize the activity of any organization e.g. academic/medsch for a teaching hospital. See current types table for possible values.
timestamp	string	19	YYYY-mm-dd hh:ii:ss
parent_ids	array		0-999 elements (elts)
parent_ringgold_id	int	11	
relationship	string	20	admin or library
number	int	1	0 for single parent in relationship or 1 for multiple parents
alt_names	array		0-999 elts
name	string	150	
city	string	60	
state	string	25	
postCode	string	20	
country	string	4	
language	string	35	
alt_name_type	string	100	
classifications	array		0-9 elts (optional)
activity_status	string	65k	
economic_model	string	65k	
governance	array		0-2 elts
value	string	65k	
level	string	65k	
mission	array		0-999 elts
value	string	65k	
number_of_sites	string	65k	
self_description	array		0-999 elts
value	string	65k	
reach	string	65k	
subjects	array		0-999 elts
value	string	65k	
consortia_members	array		0-999 elts
member_ringgold_id	int	11	
member_name	string	230	

identifiers		array		0-5 elts
	athens	string	255	
	ofr	string	255	
	isni	string	255	
	iped	string	255	
	nacs	string	255	
	nces	string	255	
ips		array		0-999 elts (optional for an additional fee)
	ip	string	255	
	ip_low	string	15	
	ip_high	string	15	
	ip_int_low	int	11	
	ip_int_high	int	11	
sizes		array		0-7 elts
	beds	int	11	
	doctors	int	11	
	hospitals	int	11	
	libraries	int	11	
	schools	int	11	
	size	int	11	
	staff	int	11	
tiers		array		0-9 elts
	carnegie-basic2005	string	255	
	carnegie-basic2010	string	255	
	carnegie-basic2015	string	255	
	carnegie-sizeset2005	string	255	
	carnegie-sizeset2010	string	255	
	carnegie-sizeset2015	string	255	
	jisc	string	255	
	rg_tier	string	255	
	sfj	string	255	
urls		array		0-999 elts
	url	string	255	
	url_type	string	255	

## Deleted\_institutions

Element	Type	Length	Content
ringgold_id	int	11	
new_ringgold_id	int	11	most appropriate ringgold_id in hierarchy to assign to customers linked to the deleted ringgold_id
details	string	100	Contains the reason for deletion
timestamp	string	19	YYYY-mm-dd hh:ii:ss

## Taxonomy

Element	Type	Length	Content
vocabulary	string	255	
name	string	255	
description	string	1024	
timestamp	string	19	YYYY-mm-dd hh:ii:ss

## alt\_names - note types (Current as of 2017-03-13)

Note	Description
AB	Abbreviation
AB TL	Abbreviation of the transliterated name
AB TR	Abbreviation of translated name into English
AC	Acronym
AC FN	Acronym of former name
AC TL	Acronym of the transliterated name
AC TR	Acronym of translated name in English
AK	A/K/A (also known as)
AK FN	A/K/A (also known as) of former name
AK TL	A/K/A (also known as) of transliterated name
AK TR	A/K/A (also known as) translated into English
AQ	Acquired (with year if known)
CS	Ceased (with year if known)
DN	Diacritic name
FN	Former name
FN LB	Former name of library
FN until	Former name( until YYYY if known)
LB	Library name
LB TR	Library name translated to English
MG	Merged (with year if known)
TL	Transliterated name
TL FN	Transliterated former name
TR	Translated name in English

TR FN	Former name translated into English
-------	-------------------------------------

### **classifications – classification types (Current as of 2017-03-13)**

Classification	Description
activity_status	Status of the organization's operation
economic_model	The economic aim of the organization
governance	The way the organization is managed, by whom and for whom
level	Place of organization in the fixed facet hierarchy
mission	What the organization does, is trying to achieve, what are its reasons for existing and purposes
number_of_sites	Whether the organization has one single site or multiple sites
self_description	A label used by the organization to describe itself
reach	The reach of the organization in terms of its locations and services to its audience and customers
subjects	Areas the organization is involved in

### **identifiers – external identifier types (Current as of 2017-03-13)**

Identifier	Description
ATHENS	Athens Identifier (see: <a href="http://www.openathens.net">http://www.openathens.net</a> )
OFR	(see: <a href="https://www.crossref.org/services/funder-registry/">https://www.crossref.org/services/funder-registry/</a> )
ISNI	International Standard Name Identifier (see: <a href="http://www.isni.org">http://www.isni.org</a> ) (when available)
IPED	Integrated Post-Secondary Education Data System (see: <a href="http://nces.ed.gov/ipeds">http://nces.ed.gov/ipeds</a> )
NACS	<a href="http://www.datadictionary.nhs.uk/version2/web_site_content/pages/codes/administrative_codes/administrative_codes.asp">http://www.datadictionary.nhs.uk/version2/web_site_content/pages/codes/administrative_codes/administrative_codes.asp</a>
NCES	National Center for Educational Statistics (see: <a href="http://nces.ed.gov">http://nces.ed.gov</a> )



## tiers – tier types (Current as of 2017-03-13)

Tier Type	Description
Carnegie-BASIC2005	2005 Basic Classification – Carnegie classifications  (see <a href="http://carnegieclassifications.iu.edu/">http://carnegieclassifications.iu.edu/</a> )
Carnegie-BASIC2010	2010 Basic Classification
Carnegie-BASIC2015	2015 Basic Classification
Carnegie-SizeSet2005	2005 Size and Setting Classification
Carnegie-SizeSet2010	2010 Size and Setting Classification
Carnegie-SizeSet2015	2015 Size and Setting Classification
JISC	Joint Information Systems Committee band (UK)  (see <a href="http://www.jisc-collections.ac.uk/Help-and-information/JISC-Banding/">http://www.jisc-collections.ac.uk/Help-and-information/JISC-Banding/</a> )
RGT	Ringgold tier
SFJ	Shop for Journals pricing tier (Highwire press)  (see <a href="http://highwire.stanford.edu/tfocis/">http://highwire.stanford.edu/tfocis/</a> )

## urls – note types (Current as of 2017-03-13)

Note	Description
AS	Alternative site
ES	Email site
FS	Former site
GS	Graduate site (Japan only)
LS	Library site
PD	Primary domain

## Example JSON Dataset (incomplete with non-functional formatting for readability)

```
{
  "institutions":[
    {
      "ringgold_id":1812,
      "body_type":"I",
      "name":"Harvard University",
      "city":"Boston",
      "state":"MA",
      "country":"US",
      "type":"academic",
      "timestamp":"2016-06-15 12:00:00",
      "status":"reviewed",
      "alt_names":[

    ],
    "parent_ids":[
      {
        "parent_ringgold_id":2500,
        "relationship":”admin”,
        “number”:1
      },
      {
        "parent_ringgold_id":2505,
        "relationship":”admin”,
        “number”:1
      }
    ],
    "classifications":[

  ],
  "consortia_members":[

],
  "identifiers":[

],
  "ips":[

],
  "notes":[

],
  "sizes":[
```

```
],  
  "tiers":[  
  
  ],  
  "urls":[  
    {  
      "url_type":"PD",  
      "url":"www.harvard.edu"  
    }  
  ]  
}  
]  
}
```