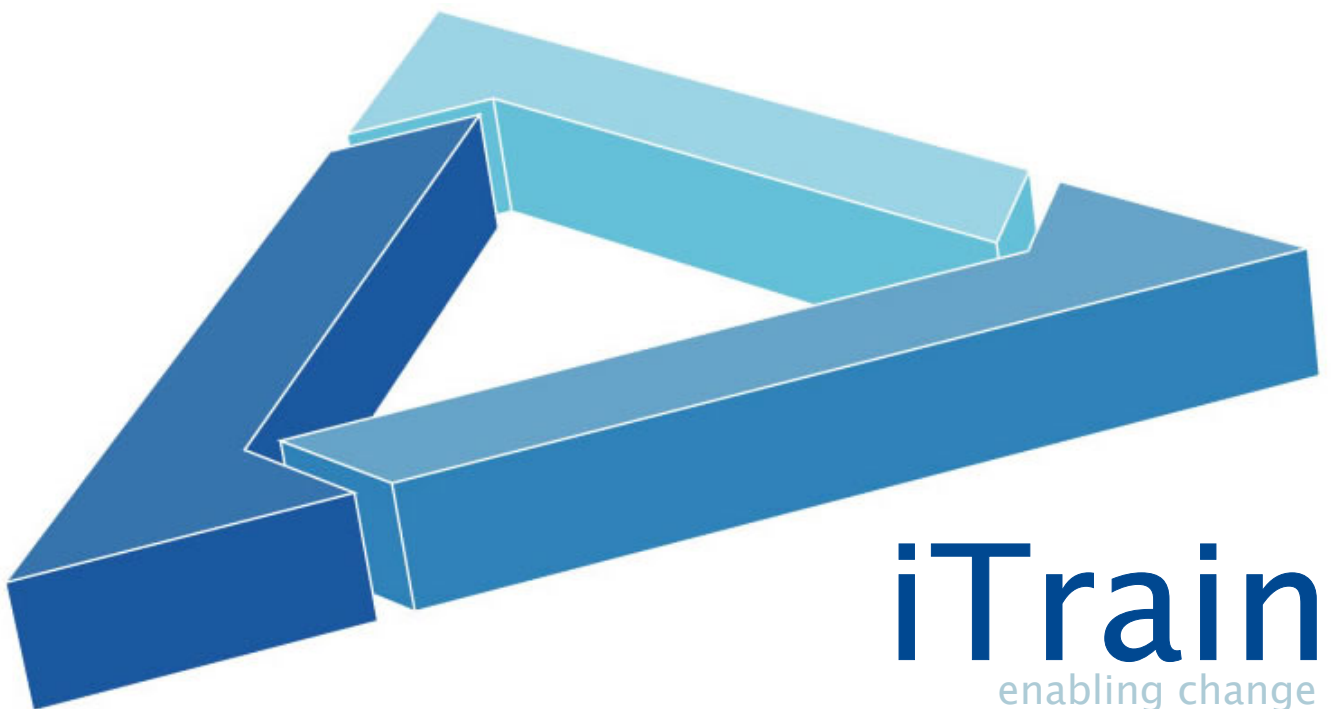


iTrain – NLPG Dataloader Fact Sheet

Ref: iTrainNLPGDataloaderSheet

Version: 0705/r3-1



iTrain
enabling change



NLPG for UK Local Government

Overview

Based upon a national agreement for land and property standards throughout the UK, all local authorities are required to ensure that their data is fully synchronised with current NLPG standards. This will usually involve some form of importing NLPG data transfers and exporting LLPG updates using BS7666 format compliance for files and mandatory NLPG rules for data compliance.

Solutions range in compliance and generally require some form of manual intervention. Often files produced from this process are of a bespoke/custom format, and the resulting address and street data is loaded into Oracle LG45 CRM.

iSuite NLPG Dataloader for Oracle LG45

iTrain is pleased to announce the iSuite NLPG Dataloader toolkit for NLPG (National Land & Property Gazetteer) and LLPG (Local Land & Property Gazetteer) data – a fully automated data load and export solution for Oracle LG45 systems.

The iSuite NLPG Dataloader is certified 100% NLPG and LLPG compliant.

iSuite NLPG Dataloader Solution

Our Solution – making life easy

NLPG and LLPG non-compliance may occur when multiple CRM records are created for a single property without it always being clear how different addresses relate to the same property with different aliases. The iSuite NLPG Dataloader provides an elegant and total solution to these issues, fully automating the processing and upload of NLPG and LLPG data.

Our Solution – the benefits

The iSuite NLPG Dataloader comes with a range of functions and facilities to ensure full compliance. Benefits include:

- ▲ NLPG and LLPG data processing compliance
- ▲ Full data management, maintenance, control and audit facilities
- ▲ Integrated management and end user reporting suite
- ▲ Full Oracle LG45 API licence compatibility
- ▲ 95% reduction in data load and export times
- ▲ Installed, proven and tested at Staffordshire County Council

Our Solution – local government support

The iSuite NLPG Dataloader was developed in partnership with 10 local councils in Staffordshire:

"The effective and efficient delivery of services depends to a large extent on the accuracy of property information in our CRM database. Therefore, we were delighted to work with iTrain on a ground-breaking solution which ensures that changes to the NLPG and LLPG are reflected automatically in CRM. Our pioneering approach has the full support of the Improvement and Development Agency, which was tasked by the Government with enforcing a national Mapping Services Agreement which had a significant impact on the harmonization of local CRM databases with the NLPG property records.

"The results of our mutually-beneficial collaboration will make a real difference to accurate and effective service delivery".

**Cllr. Jack Barber (Joint Committee Chair)
Staffordshire Connects Partnership**

Business Requirements

NLPG – Required Business Rules

- ▲ Can only have LPI's 2 and 3 once LPI 1 exists
- ▲ Some authority's not creating LPI 3
- ▲ LPI 2 considered for use in Wales only
- ▲ Can have multiple LPI 2 and LPI 3 once LPI 1 exists
- ▲ Original Record is created as LPI 5:
 - ▲ Account of non-synchronised data required for approvals due to process delays
 - ▲ Some authorities putting through candidates as approved (direct to LPI 1)
 - ▲ This record is normally converted to an LPI 1, but this may be delayed
 - ▲ When an LPI 1 gets read, it should look for a corresponding LPI 5 and convert if it exists (match on UPRN).
 - ▲ LPI 5 is just a pre-1. It's likely to be the Plot number, and then the 1 is the House number.
- ▲ Can only have one LPI 5 or an LPI 1, not both. Relationship to street should only be created for LPI 1 or 5.
- ▲ Cannot have multiple LPI 5's for the same UPRN.

NLPG – Required Compliance Conditions

The following validation is required to guarantee NLPG standard data integrity and compliance and is delivered as an integral feature of the iSuite NLPG Dataloader:

- ▲ Remove white padding
- ▲ Remove duplicates from the upload
- ▲ Remove inconsistent PAON/Postcode records
- ▲ Check streets exist
- ▲ Check for duplicates in the CRM database
- ▲ Check for brand new UPRN numbers

The following CRM compliance updates are required and delivered as an integral feature of the iSuite NLPG Dataloader:

- ▲ Attribute 2 used to store street or property identifier
- ▲ Attribute 3 used to store UPRN or USRN
- ▲ Attribute 13 used to store LPI alias
- ▲ Attribute 14 used to store Upload Flag

NLPG – Business Support and Licensing

The iSuite NLPG Dataloader is provided as a fully licensed and supported product with full compatibility for Oracle 11i and release 12 systems.

Technical Specification

The iSuite NLPG and LLPG solution was developed using core Oracle technology to manipulate required data from NLPG data files into Oracle LG45 CRM. These procedures filter duplicates (existing LG45 records), including type 11, type 21 and type 24 records, and enable alias records to be stored within CRM.

Relationships between different aliased records are identified and automatically built within CRM. Therefore, end users will see on their screens which property records refer to the same property, and which alias is the current primary alias.

iSuite NLPG Dataloader – Functional Scope

The core technical functional scope includes:

- ▲ ftp file loads to agreed schedules
- ▲ Manual intervention control and automated data upload NLPG data files into Oracle CRM.
- ▲ Procedural filters for duplicates (records already in the CRM), include only type 11, type 21 and type 24 records
- ▲ Enable alias records to be stored on the CRM.
- ▲ Full street and address data to be loaded into CRM.
- ▲ Output CRM new property candidate change records to LLPG to assist local custodians of LLPGs to determine changes to the NLPG database, create data files and submit
- ▲ Full documentation and training support

iSuite NLPG Dataloader - Technical

The solution comprises a series of Oracle eBusiness suite enhancements incorporating standard v2 public Oracle API's within the LG45 schema. The entire solution functions within the standard Oracle CRM technology stack. Installation incorporates the following program controls:

- ▲ Unix shell scripting
- ▲ Oracle SQL Loader Scripts
- ▲ Oracle NLPG Compliant Database Schema
- ▲ Oracle NLPG and 11i Compliant API Packages
- ▲ Oracle LG45 Performance Schema
- ▲ Oracle Application Server
- ▲ Oracle Discoverer NLPG Compliant EUL

The iSuite NLPG Dataloader includes test and load functions, intermediate upload and bulk load for input, data creation and LLPG file output facilities. The suite incorporates a series of system management and NLPG data process screens delivered as an intranet ready control suite.

Contact Information:

London Office:

Clerks Court
18-20 Farringdon Lane
London
EC1R 3AH

Tel: 020 7608 1835
Fax: 020 7490 3465

Leeds Office:

Westone
Wellington Street
Leeds
LS1 2TE

Edinburgh office

37 George Street
Edinburgh
EH2 2HN

Tel: 0131 226 6620
Fax: 0131 226 6650

Email enquiries:

info@itraineducation.co.uk

Corporate Services:

iTrain services include:

- ▲ Oracle eBusiness Suite
- ▲ SAP Managed Services
- ▲ Business Analysis and Design
- ▲ System Implementation
- ▲ Transition Management
- ▲ Education and Training
- ▲ Finance & Accounting Services
- ▲ HR & Payroll Services
- ▲ Shared Services
- ▲ "iSuite" Integrated Products

For further information please visit our website:

www.itraineducation.co.uk



Copyright Notice

This document has been authored by iTrain; and is protected under copyright. The document may not be reproduced, either in full or in part, in any form or by any means, without permission in writing from iTrain.

Corporate Trademarks and Copyrights

iTrain, "iSuite" and "Stratus eLearning" are brands of iTrain Education. Full copyright protection is asserted in respect of all branded materials, intellectual copyrights, patents and associated nomenclature. All Trade Marks and Copyrights are acknowledged.