NBS DOI Prototype

Robin Cordy

19/6/18

NBS

bsi.

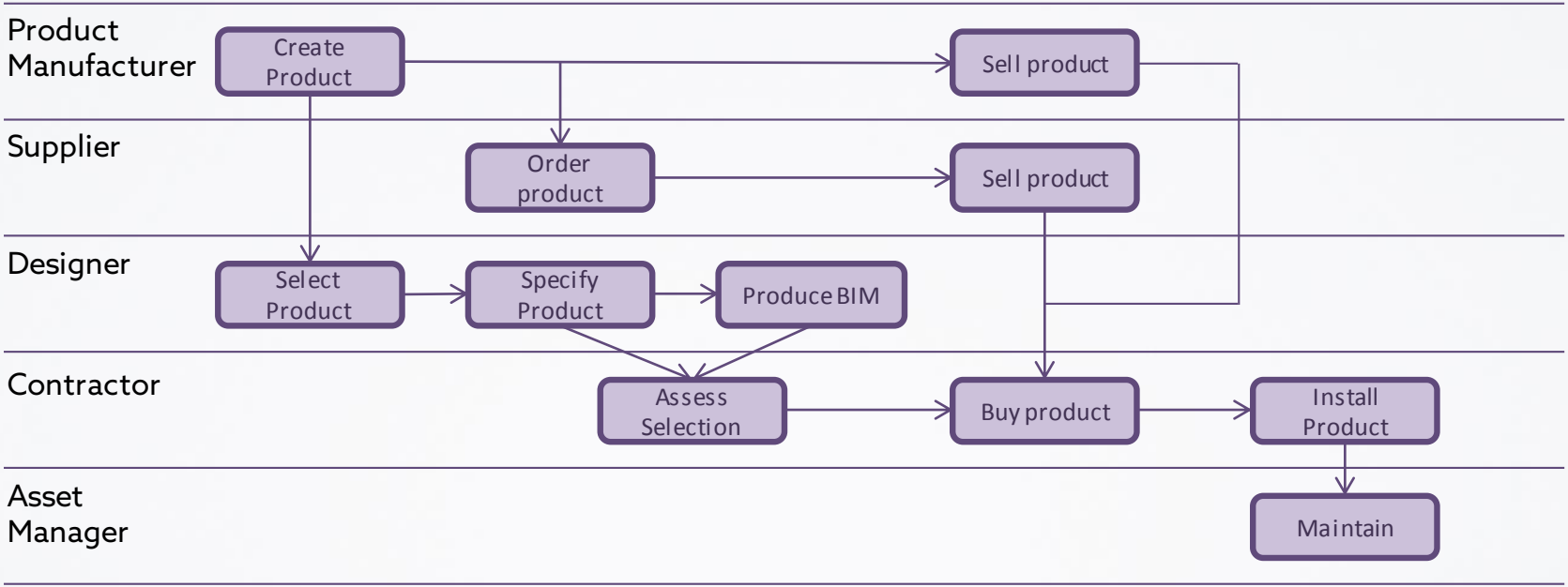
cpa construction products association

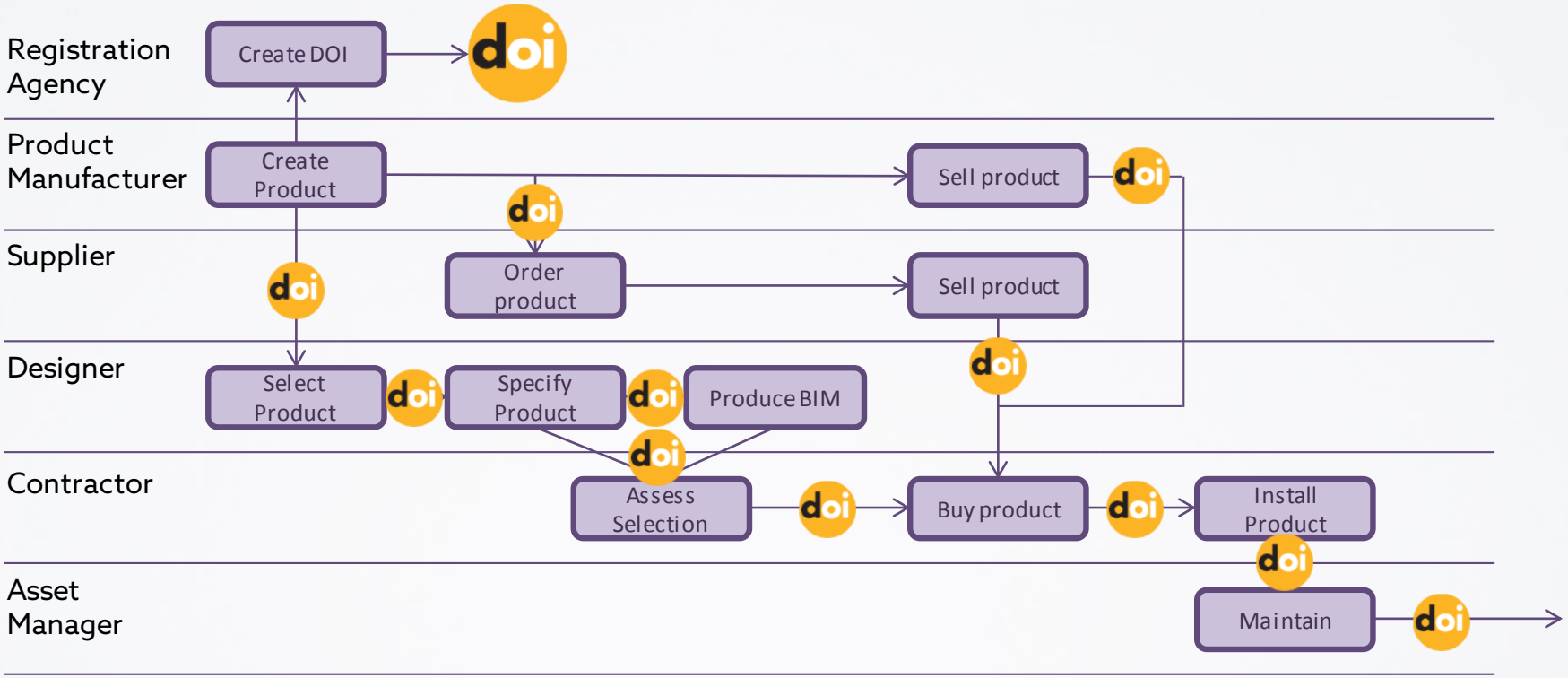
Innovate UK

Digital object identifiers

10.18658/210DD

Identification
Persistence
Associated Metadata


Product Manufacturer
Create Product
Sell product
Supplier
Order product
Sell product
Designer
Select Product
Specify Product
Produce BIM
Contractor
Assess Selection
Buy product
Install Product
Asset Manager
Maintain


Registration Agency
Create DOI
doi
Product Manufacturer
Create Product
Sell product
doi
doi
Supplier
doi
Order product
Sell product
Designer
doi
Select Product
doi
Specify Product
doi
Produce BIM
doi
Contractor
Assess Selection
doi
Buy product
doi
Install Product
doi
Asset Manager
Maintain
doi

Examples from elsewhere

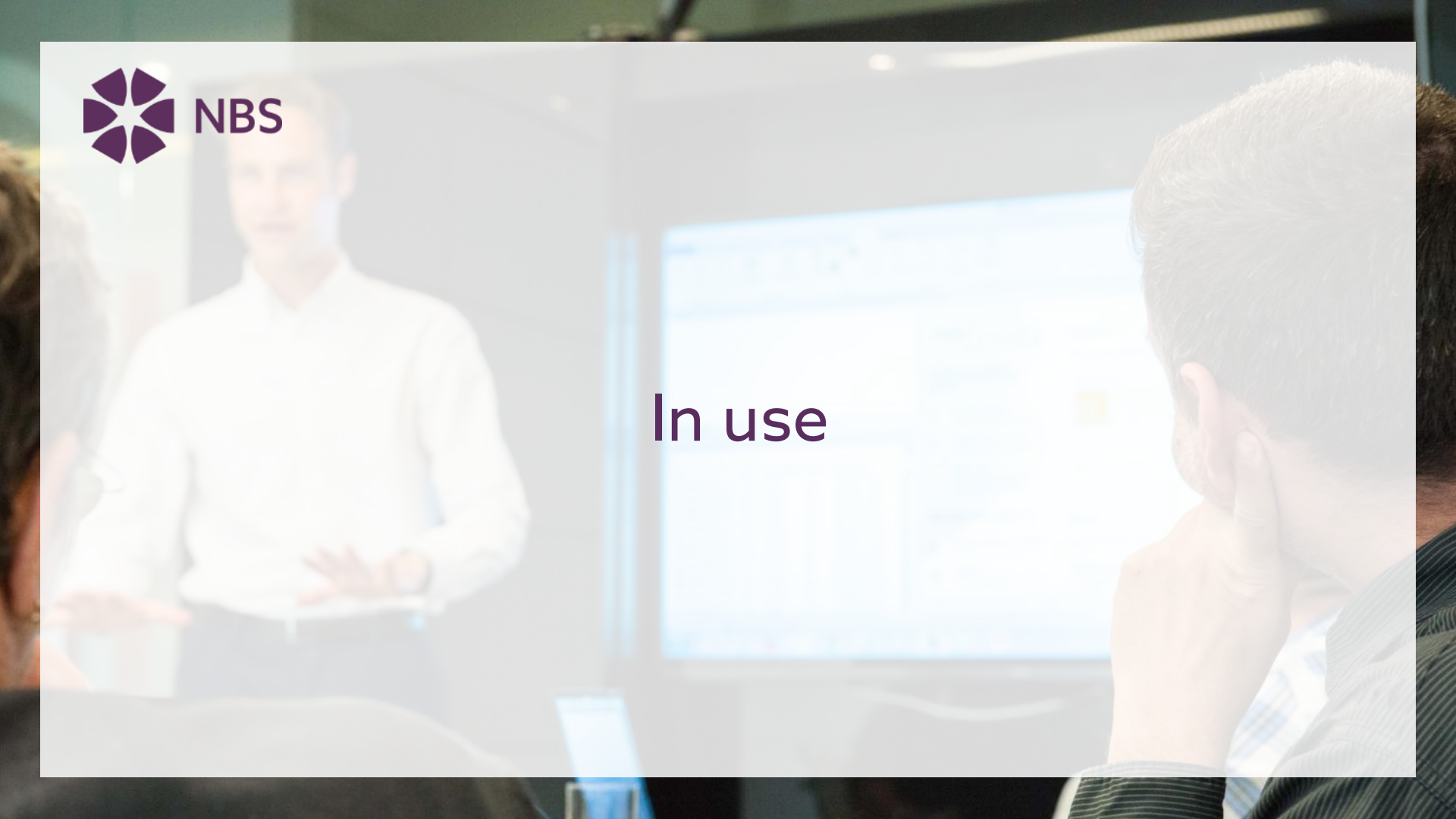
10.1136/bmj.j3418

10.3403/30314118U

10.5240/0FBD-3652-8D1A-EFCF-2D72-G

10.1590/s1678-86212017000400203

10.1111/j.1467-9205.1987.tb00216.x


NBS
In use

DOI Spec - NBS Create

File Home Insert Review Office Master Update View Manage

New Job | Job Wizard | Open Job | Refresh | Performance | Full | Job Details | Outline | Cut | Copy | Paste | Park | Delete

Job | Job Stage | Open | Clipboard | Format | Remove

Each manufacturer product specified will display its DOI

Contents

Title	Suff
Project Definition	-
WC assembly	-
Sanitary accessories	-

Job details | Contents

Resources

All resources

- 00 Project management
- 05 Districts, facilities and buildings
- 10 Preparatory systems
- 15 General structural systems
- 20 Roof, floor and paving systems
- 25 Wall and barrier systems
- 30 Stair, ramp, tunnel, shaft and vessel system
- 35 FF&E and general finishing systems
- 40 Flora and fauna systems
- 50 Disposal systems
- 55 Piped supply systems
- 60 Mechanical heating, cooling and refrigerat
- 65 Ventilation and air conditioning systems
- 70 Electrical systems
- 75 Communications, security, safety and prote

...ries to the main washrooms.

- Sanitary fixtures fittings and equipment: Hand driers and Paper towel dispensers.
- Fixings and fasteners: Submit proposals.
- Sealing: Submit proposals.
- *Execution:* *Installing sanitary accessories generally.*
- *System completion:* *Documentation.*

Products

Hand driers

- Manufacturer: Dyson
- Product reference: AB14
- Colour/ Finish: Grey.
- DOI: https://doi.org/10.5555.CPRS/D22R95T3

Paper towel dispensers

- Manufacturer: Dolphin Solutions
- Product reference: WP113P Dolphin Prestige Paper Towel Dispenser
- DOI: https://doi.org/10.5555.CPRS/Z3RTBN7Z

Execution

Installing sanitary accessories generally

- Fixtures:
  - Positions: As drawings.

NBS Plus

Search NBS Plus

45 - 35 - 72 / 334

Dyson Airblade dB Hand Dryer – AB14

from Dyson

Touch free operation, unheated air dries in just 10 seconds, literally scraping water from hands like a windscreen wiper. It's also hygienic, using a HEPA filter, cleaning the air (removing 99.9 % of bacteria) before blowing it onto hands. Long life, 1600W, energy efficient Dyson digital motor spins at 90,000rpm with no carbon brushes to wear down. And because it uses up to 80% less energy than warm air hand dryers it costs less to run. Robust and durable casing. Five year parts guarantee.

The Clause

Dyson Airblade dB Hand Dryer – AB14:

Product reference: AB14.
Polycarbonate ABS, 661 x 303 x 247 mm.

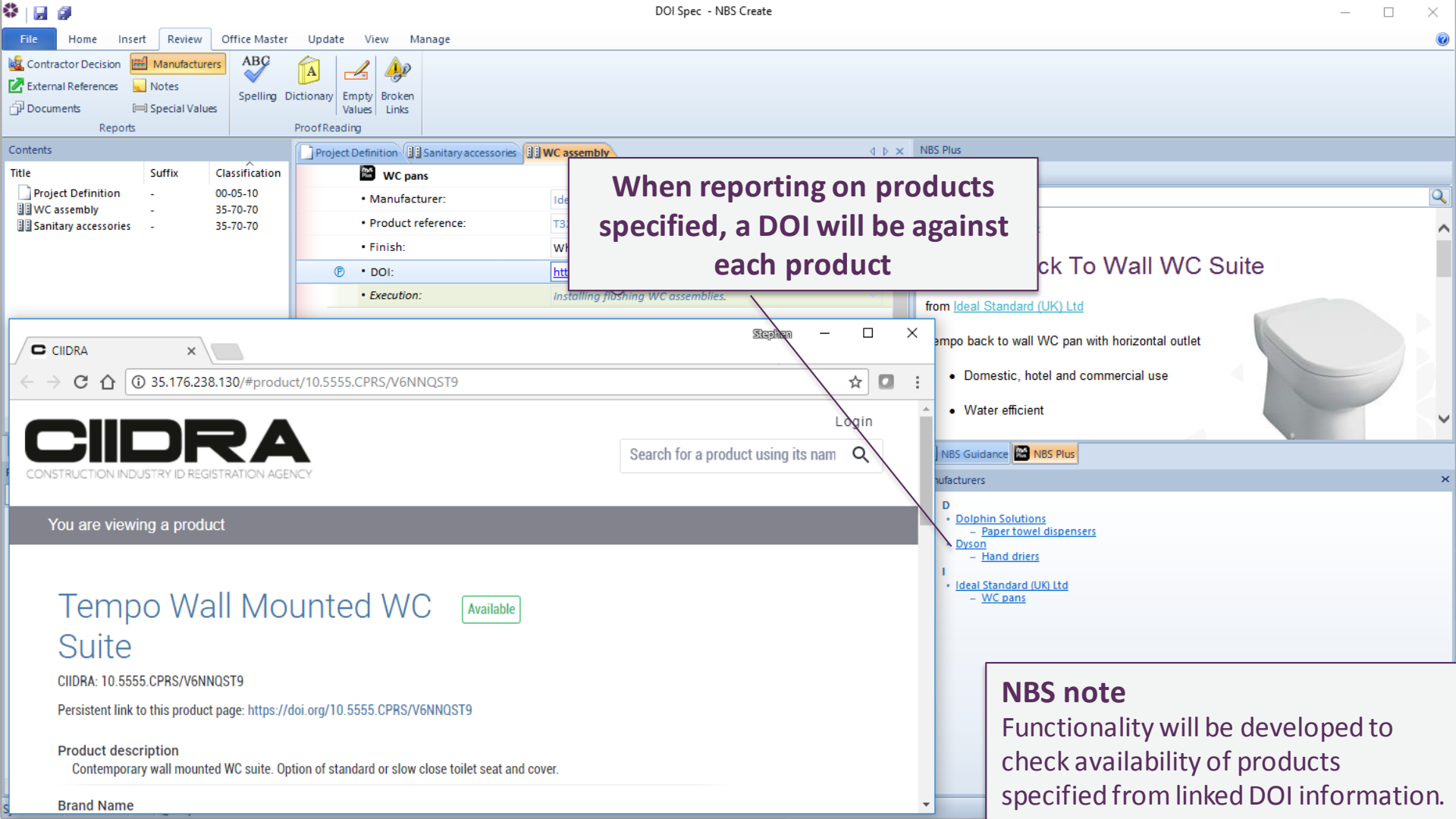
Colour/

NBS Guid

NBS note

All NBS Plus and National BIM Library products will be given a DOI.

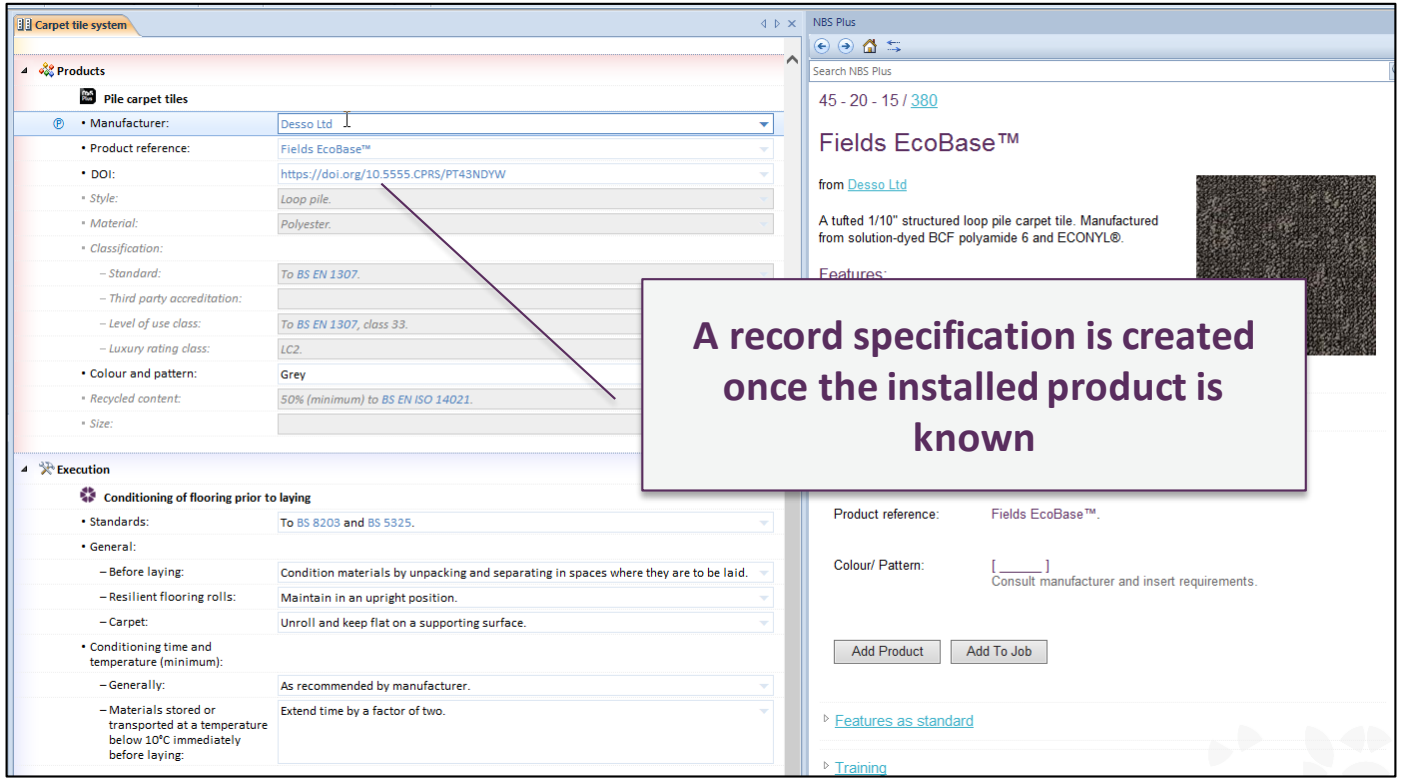
Systems: 2 | Sections: 1 | Up to date



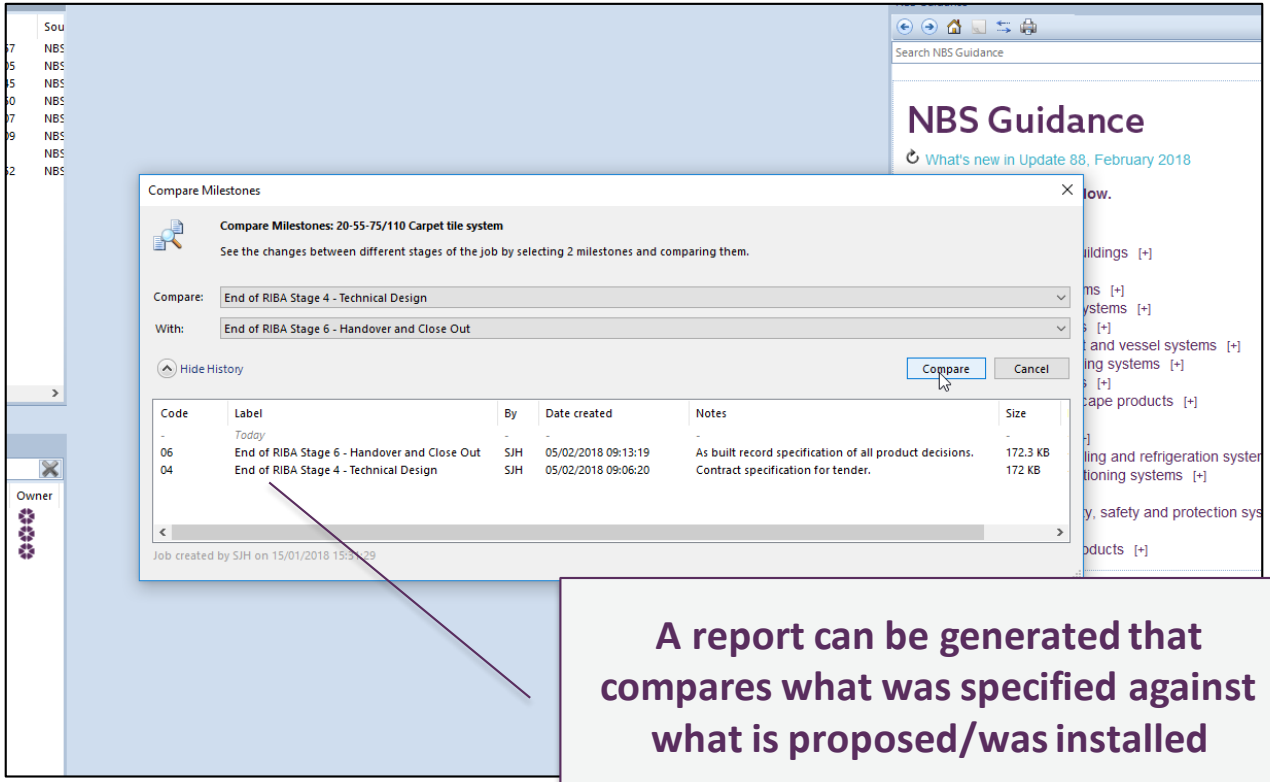
NBS note

Functionality will be developed to check availability of products specified from linked DOI information.

Audit trail example



Audit trail example



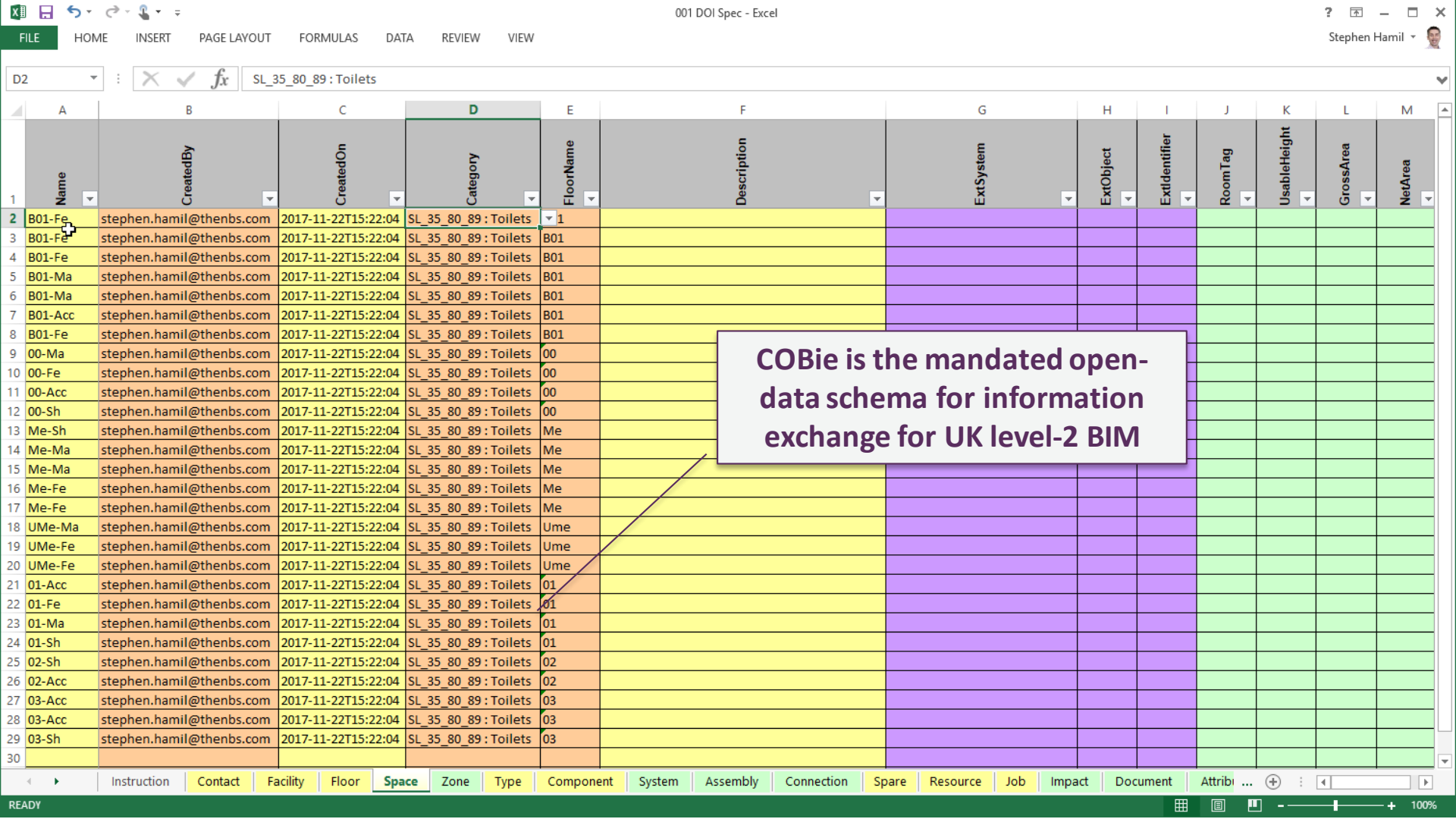
A report can be generated that compares what was specified against what is proposed/was installed

001 DOI Spec - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW

Stephen Hamil

D2 SL_35_80_89 : Toilets

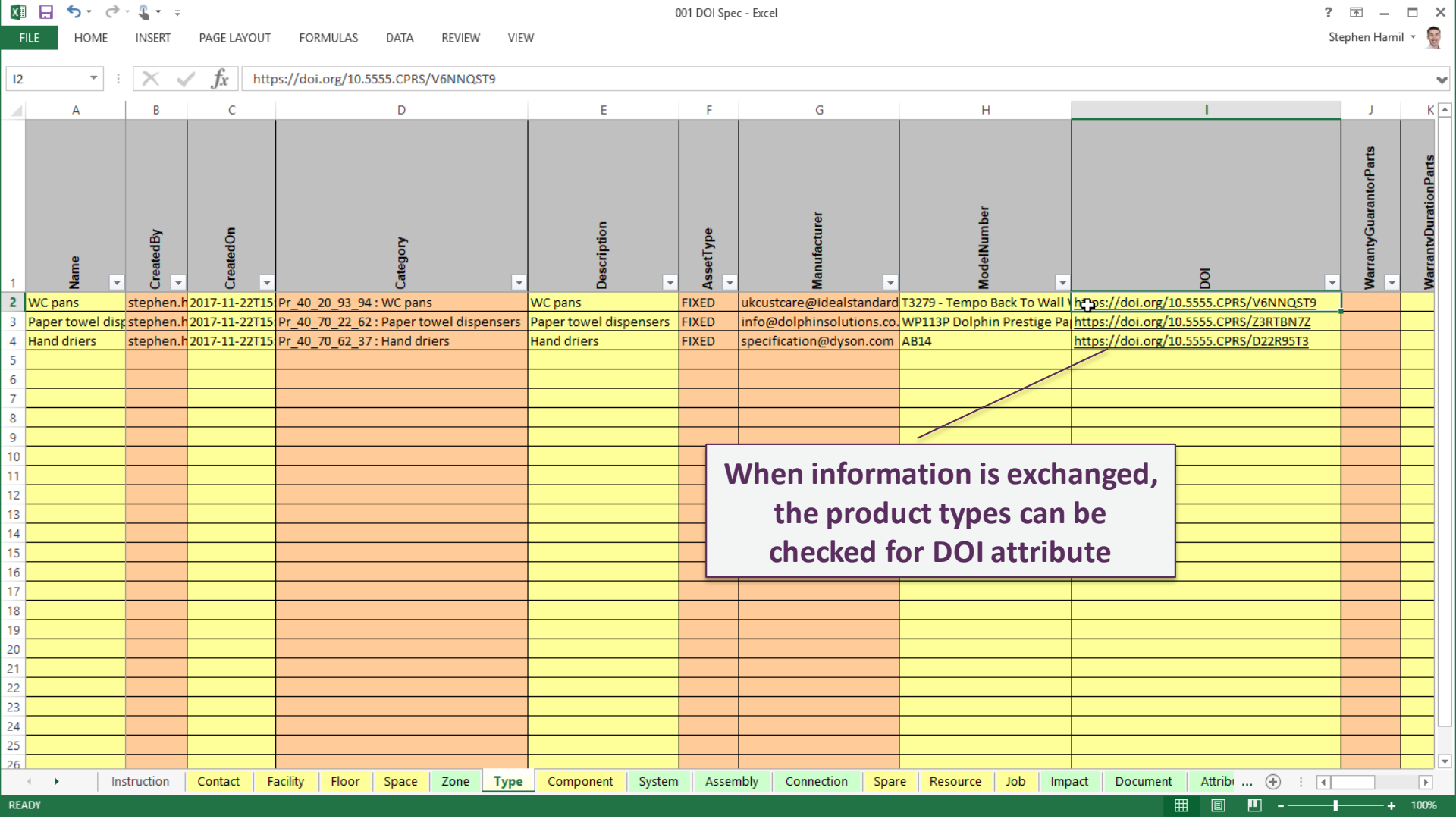


	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Name	CreatedBy	CreatedOn	Category	FloorName	Description	ExtSystem	ExtObject	ExtIdentifier	RoomTag	UsableHeight	GrossArea	NetArea
2	B01-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	1								
3	B01-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	B01								
4	B01-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	B01								
5	B01-Ma	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	B01								
6	B01-Ma	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	B01								
7	B01-Acc	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	B01								
8	B01-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	B01								
9	00-Ma	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	00								
10	00-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	00								
11	00-Acc	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	00								
12	00-Sh	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	00								
13	Me-Sh	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Me								
14	Me-Ma	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Me								
15	Me-Ma	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Me								
16	Me-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Me								
17	Me-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Me								
18	UMe-Ma	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Ume								
19	UMe-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Ume								
20	UMe-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Ume								
21	01-Acc	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	01								
22	01-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	01								
23	01-Ma	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	01								
24	01-Sh	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	01								
25	02-Sh	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	02								
26	02-Acc	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	02								
27	03-Acc	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	03								
28	03-Acc	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	03								
29	03-Sh	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	03								
30													

COBie is the mandated open-data schema for information exchange for UK level-2 BIM

Instruction | Contact | Facility | Floor | Space | Zone | Type | Component | System | Assembly | Connection | Spare | Resource | Job | Impact | Document | Attribu ...

READY 100%


001 DOI Spec - Excel
FILE
HOME
INSERT
PAGE LAYOUT
FORMULAS
DATA
REVIEW
VIEW
Stephen Hamil
I2
https://doi.org/10.5555.CPRS/V6NNQST9
Name
CreatedBy
CreatedOn
Category
Description
AssetType
Manufacturer
ModelNumber
DOI
WarrantyGuarantorParts
WarrantyDurationParts
WC pans
stephen.h
2017-11-22T15
Pr_40_20_93_94 : WC pans
WC pans
FIXED
ukcustcare@idealstandard
T3279 - Tempo Back To Wall
https://doi.org/10.5555.CPRS/V6NNQST9
Paper towel disp
stephen.h
2017-11-22T15
Pr_40_70_22_62 : Paper towel dispensers
Paper towel dispensers
FIXED
info@dolphinsolutions.co.
WP113P Dolphin Prestige Pa
https://doi.org/10.5555.CPRS/Z3RTBN7Z
Hand driers
stephen.h
2017-11-22T15
Pr_40_70_62_37 : Hand driers
Hand driers
FIXED
specification@dyson.com
AB14
https://doi.org/10.5555.CPRS/D22R95T3
When information is exchanged, the product types can be checked for DOI attribute
Instruction
Contact
Facility
Floor
Space
Zone
Type
Component
System
Assembly
Connection
Spare
Resource
Job
Impact
Document
READY
100%

NBS HQ - Maintenance

nbs-hq.azurewebsites.net

NBS

Maintenance items

Select from the items below to view these in the building and access related information.

Hand driers (14 instances)
Toilet paper dispensers (29 instances)
WCs (2 instances)

DOI = https://doi.org/10.5555.CPRS/D22R95T3

Information panel

Related information will appear here

A simple website has been developed to illustrate how DOIs can provide owners with a record of what is in their building

javascript:ToggleHandDriers()

nbs-hq.azurewebsites.net

NBS

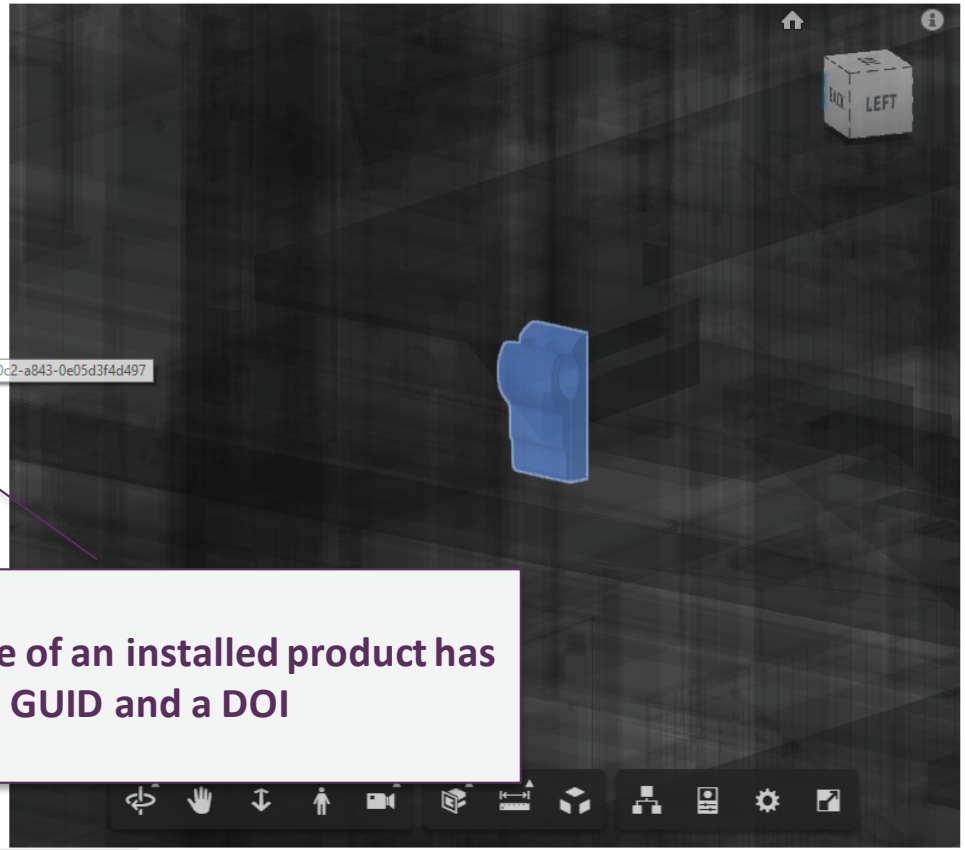
Maintenance items

Select from the items below to view these in the building and access related information.

Hand driers (14 instances)

Instance	Parent space	Instance	Parent space
HD-01	B01-Fe	HD-08	Me-Fe
HD-02	B01-Ma	HD-09	UMe-Fe
HD-03	00-Ma	HD-10	01-Fe
HD-04	00-Fe	HD-11	01-Ma
HD-05	00-Sh	HD-	01-Sh
HD-06	Me-Sh	HD-13	02-Sh
HD-07	Me-Ma	HD-14	03-Sh

Toilet paper dispensers (29 instances)
WCs (2 instances)



Each instance of an installed product has a GUID and a DOI

Information panel

Information from inside the object:

Attribute	Value
SerialNumber	8294df19-fe9d-40c2-a843-0e05d3f4d497
Manufacturer	specification@dysonairblade.co.uk
BIMObjectName	NBS_Dyson_HandDriers_DysonAirbladedB-AB14
Uniclass2015Code	Pr_40_70_62_37
Uniclass2015Title	Hand driers
DOI	https://doi.org/10.5555.CPRS/D22R95T3

Standardised objects from NBS National BIM Library

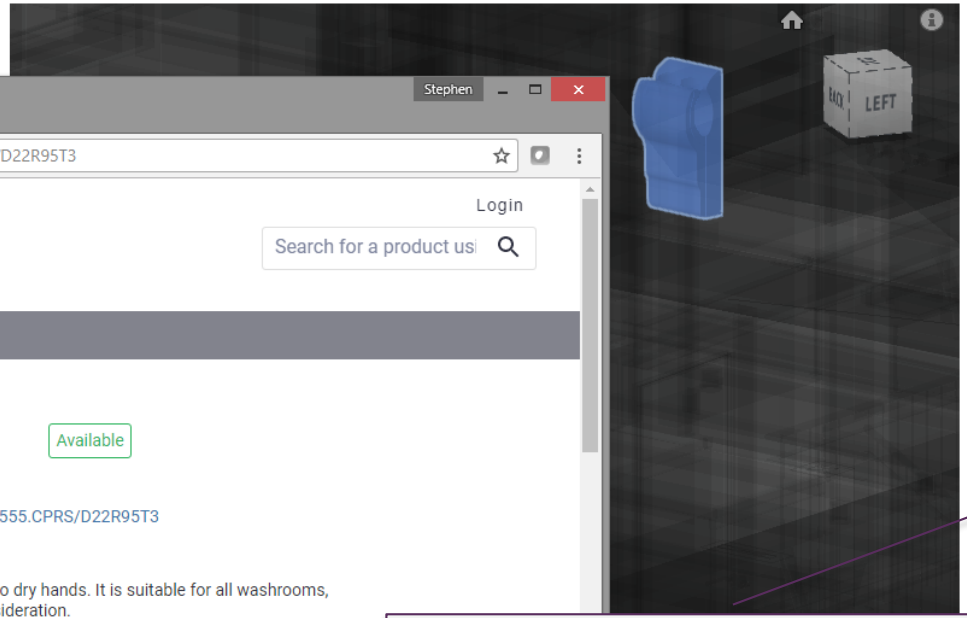
Get latest info from CIIDRA

NBS HQ - Maintenance

nbs-hq.azurewebsites.net

NBS

Maintenance items



Information panel

Information from inside the object:

Attribute	Value
SerialNumber	8294df19-fe9d-40c2-a843-0e05d3f4d497
Manufacturer	specification@dysonairblade.co.uk
BIMObjectName	NBS_Dyson_HandDriers_DysonAirbladedB-AB14
Uniclass2015Code	Pr_40_70_62_37
Uniclass2015Title	Hand driers
DOI	https://doi.org/10.5555.CPRS/D22R95T3

Standardised objects from NBS National BIM Library

Get latest info from CIIDRA

CIIDRA

35.176.238.130/#product/10.5555.CPRS/D22R95T3

Stephen

CIIDRA
CONSTRUCTION INDUSTRY ID REGISTRATION AGENCY

Login

Search for a product us

You are viewing a product

Dyson Airblade dB

Available

CIIDRA: 10.5555.CPRS/D22R95T3

Persistent link to this product page: https://doi.org/10.5555.CPRS/D22R95T3

Product description
The Dyson Airblade dB hand dryer is the fastest way to dry hands. It is suitable for all washrooms, particularly where sound levels are an important consideration.

Brand Name
Dyson

Group ID
Dyson Airblade dB hand dryer, Dyson hand dryer

Distinguishing Features
Rated power: 1600 W; Colour: grey

Uniclass
Pr_40_70_62_37 : Hand driers

Clicking the DOI link takes the user to the CIIDRA website

Maintenance items

Select from the items below to view these in the building and access related information.

Hand driers (14 instances)

Instance	Parent space	Instance	Parent space
HD-01	B01-Fe	HD-08	Me-Fe
HD-02	B01-Ma	HD-09	UMe-Fe
HD-03	00-Ma	HD-10	01-Fe
HD-04	00-Fe	HD-11	01-Ma
HD-05	00-Sh	HD-12	01-Sh
HD-06	Me-Sh	HD-13	02-Sh
HD-07	Me-Ma	HD-14	03-Sh

Toilet paper dispensers (29 instances)
WCs (2 instances)

Information panel

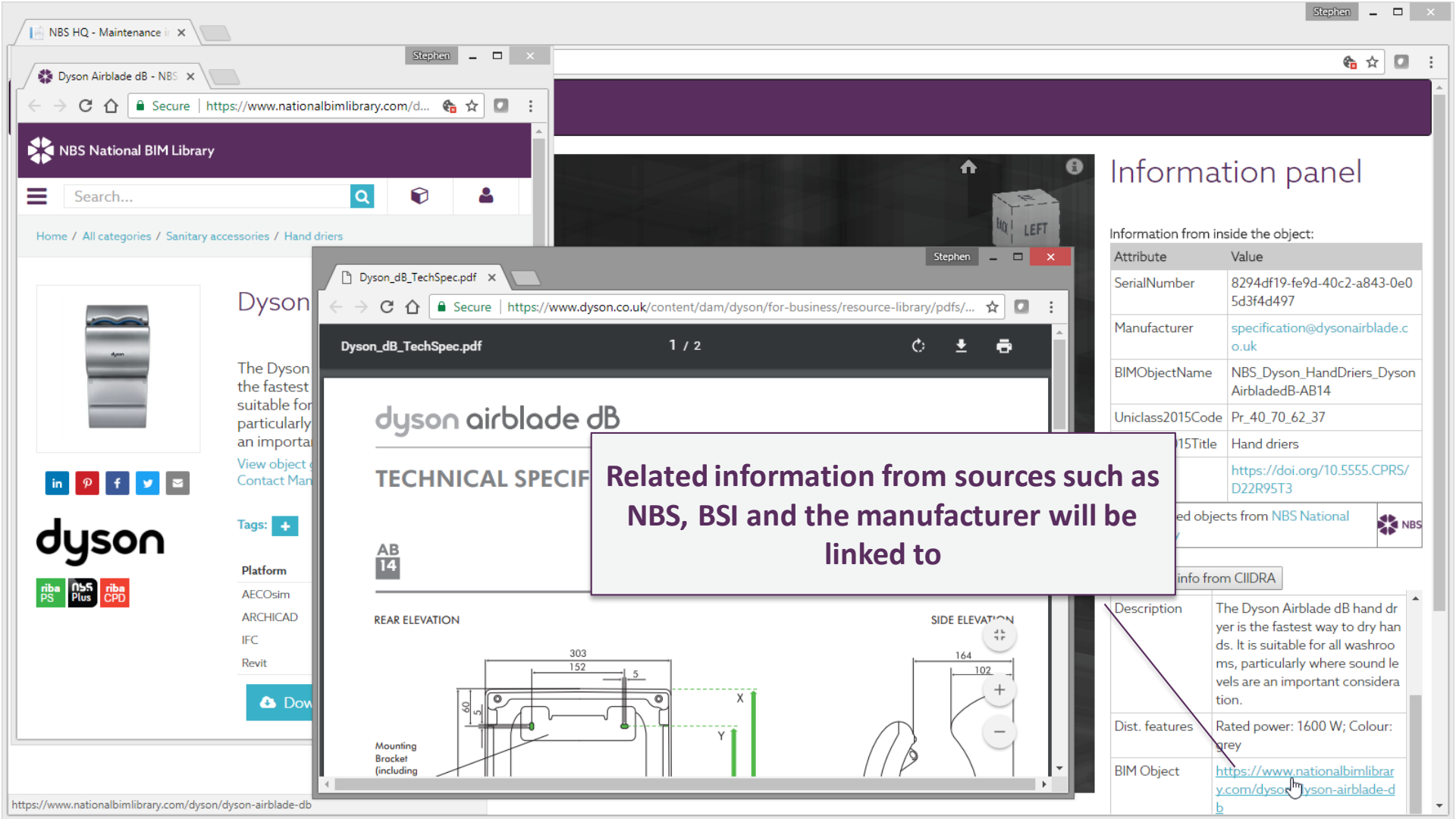
Information from inside the object:

Attribute	Value
SerialNumber	8294df19-fe9d-40c2-a843-0e05d3f4d497
Manufacturer	specification@dysonairblade.co.uk
BIMObjectName	NBS_Dyson_HandDriers_DysonAirbladedB-AB14
Uniclass2015Code	Pr_40_70_62_37
Uniclass2015Title	Hand driers
DOI	https://doi.org/10.5555.CPRS/D22R95T3

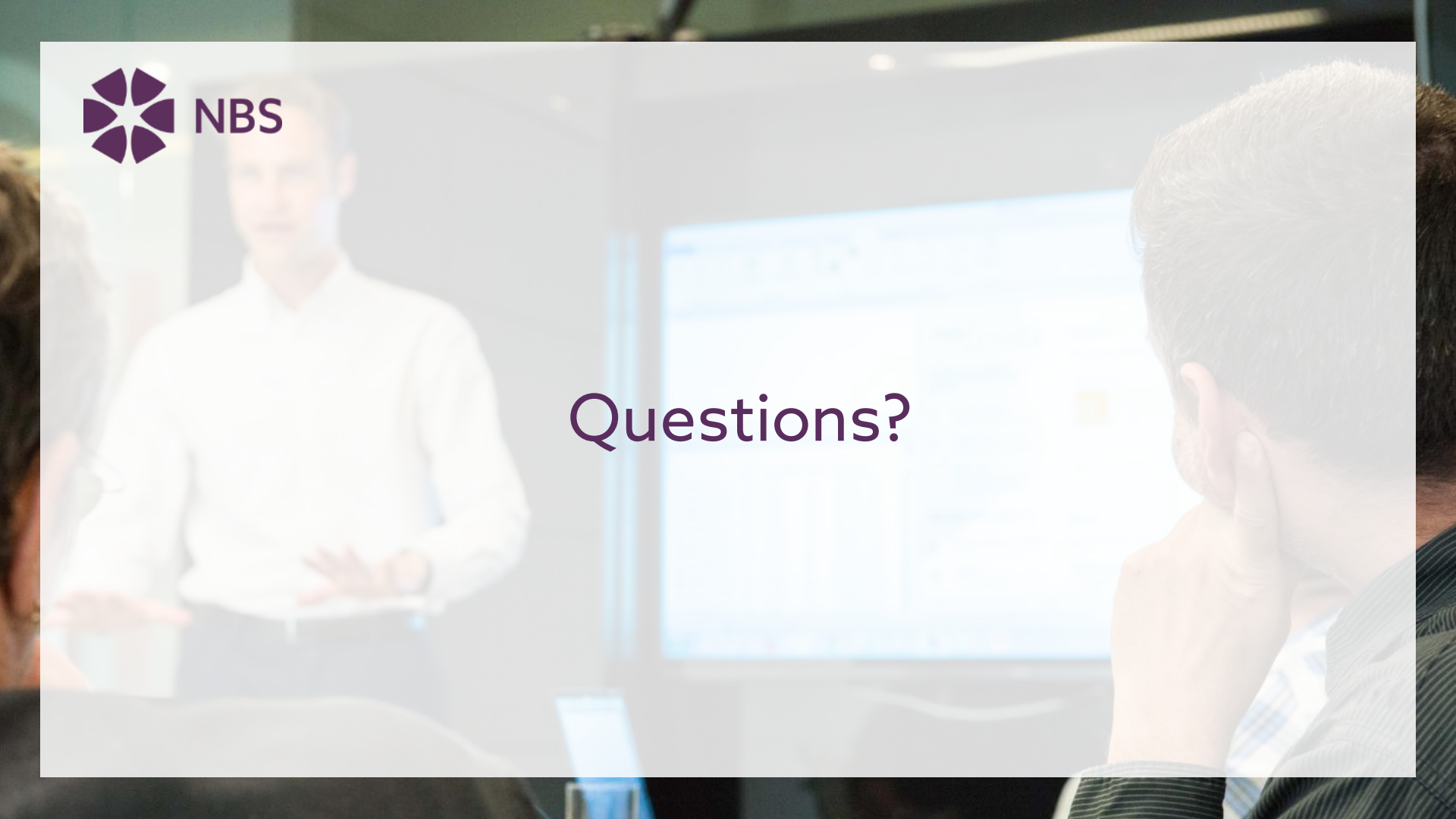
Standardised objects from NBS National BIM Library

Get latest info from CIIDRA

Attribute	Value
Brand name	Dyson
Name	Dyson Airblade dB
Availability	Available
Description	The Dyson Airblade dB hand dryer is the fastest way to dry hands. It is suitable for all washrooms, particularly where sound levels are an important considera


NBS HQ - Maintenance
Stephen
Dyson Airblade dB - NBS
Secure
https://www.nationalbimlibrary.com/d...
NBS National BIM Library
Search...
Home / All categories / Sanitary accessories / Hand driers
Dyson
The Dyson
the fastest
suitable for
particularly
an importa
View object
Contact Man
Tags:
Platform
AECOsim
ARCHICAD
IFC
Revit
Dow
dyson
riba PS
NBS Plus
riba CPD
Dyson_dB_TechSpec.pdf
Secure
https://www.dyson.co.uk/content/dam/dyson/for-business/resource-library/pdfs/...
Dyson_dB_TechSpec.pdf
1 / 2
dyson airblade dB
TECHNICAL SPECIF
AB 14
REAR ELEVATION
SIDE ELEVATION
303
152
5
60
5
X
Y
164
102
Mounting Bracket (including
Information panel
Information from inside the object:
Attribute
Value
SerialNumber
8294df19-fe9d-40c2-a843-0e05d3f4d497
Manufacturer
specification@dysonairblade.co.uk
BIMObjectName
NBS_Dyson_HandDriers_DysonAirbladedB-AB14
Uniclass2015Code
Pr_40_70_62_37
15Title
Hand driers
https://doi.org/10.5555.CPRS/D22R95T3
ed objects from NBS National
NBS
info from CIIDRA
Description
The Dyson Airblade dB hand dryer is the fastest way to dry hands. It is suitable for all washrooms, particularly where sound levels are an important consideration.
Dist. features
Rated power: 1600 W; Colour: grey
BIM Object
https://www.nationalbimlibrary.com/dyson/dyson-airblade-db
Related information from sources such as NBS, BSI and the manufacturer will be linked to
https://www.nationalbimlibrary.com/dyson/dyson-airblade-db

Embedded in physical objects


NBS
Questions?