

STBA



Level 3 Award Qualification Energy Efficiency of Traditional Buildings and the role of competence in the industry

Professor John Edwards MA, DipBldgCons, CEnv, FRICS, FCIQB, IHBC

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Director



Professor of Practice

Chartered Environmentalist | Chartered Construction Manager | Chartered Building Surveyor

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PRACTITIONER



EDUCATOR

Professor John Edwards

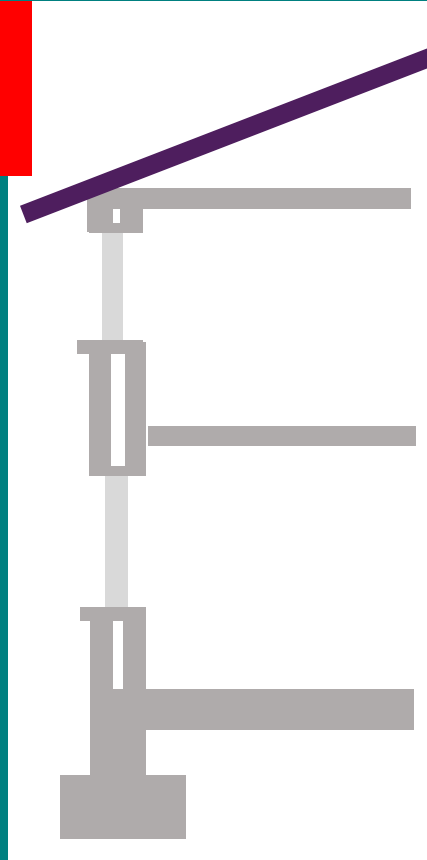
MA, DipBldgCons, CEnv, FRICS, FCIOB, IHBC

- Chartered Building Surveyor
 - Chartered Construction Manager
 - Chartered Environmentalist
 - Building Pathologist
 - CIOB & RICS Conservation Certified
 - IHBC Accredited in Conservation
 - Trained DEA & Home Inspector
 - Practitioner experience since 1981
 - Previously English Heritage & Cadw
 - Consultant to National Trust, Somerset House, housing associations, developers, Palace of Westminster & many others
-
- Director: Edwards Hart Consultants
 - Professor on Practice: UWTSD
 - Retrofit lead @ Construction Wales Innovation Centre (CWIC)

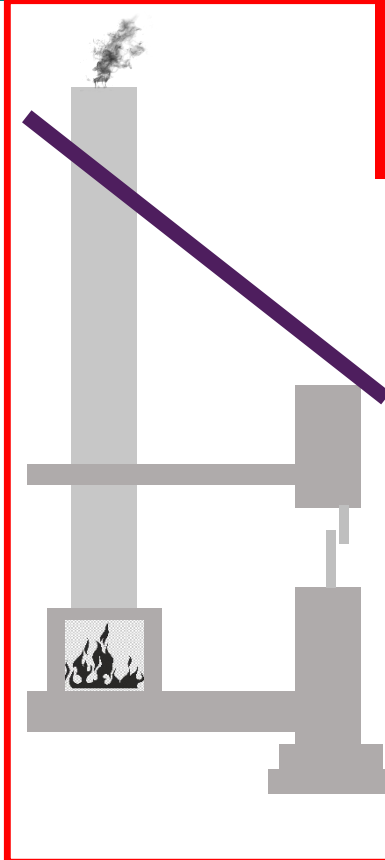
- Inspecting / analysing buildings since 1981
- Co author European Standard for condition surveys of historic buildings
- Co author revised BS for stone & brick masonry
- Co author RICS conservation guide
- **BSI PAS 2035 Steering Group**
- **BSI PAS 2038 Steering Group**
- **BSI PAS 2030 Steering Group**
- BSI Retrofit Standards Task Group
- CIOB Retrofit Guidance – co-author
- IHBC Retrofit Guidance – author
- IHBC Technical Panel – Chair
- BSI B/560 Committee on Heritage
- **BS 7913: 2013 – Lead**
- STBA co-founder & expert panel
- Construction Site Management Retrofit National Occupational Standards production panel

Traditional Buildings Are Different

Modern
Building



Traditional
Building



35%

But they are normally treated the same!

Traditional Buildings Are Different

Treated the same – when it should be different!



Treated differently – when it should be the same!

Traditional Buildings Are Different

Treated the same – when it should be different!



Treated differently – when it should be the same!

We are therefore on the whole NOT competent...

Traditional Buildings Are Different

Treated the same – when it should be different!



Treated differently – when it should be the same!

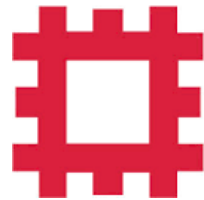
We are therefore on the whole NOT competent...

Training – needs to help improve competence!

Level 3 Award Qualification

Energy Efficiency Measures for Older and Traditional Buildings

How it developed...



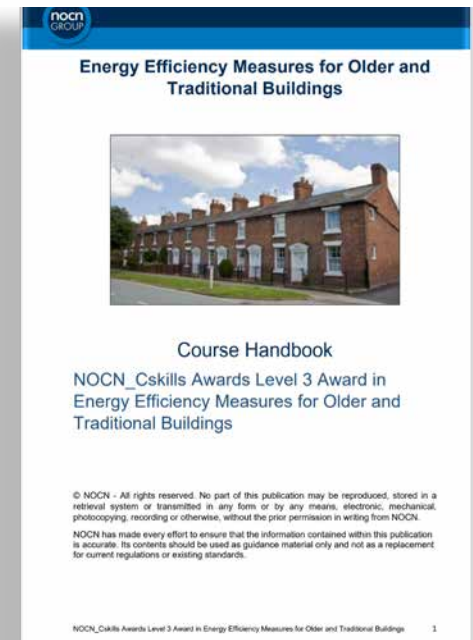
ENGLISH
HERITAGE



National Construction College



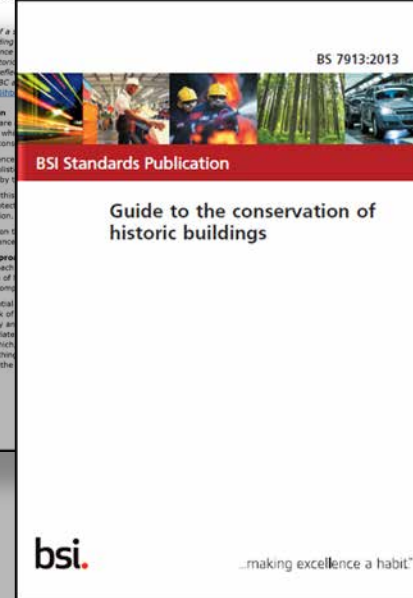
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Energy efficiency & retrofit – traditional buildings

Education & Training - what it should include...

1. Technical
2. Significance
3. Process



Energy efficiency & retrofit – traditional buildings

Education & Training - what it should include...

1. Technical
2. Significance
3. Process

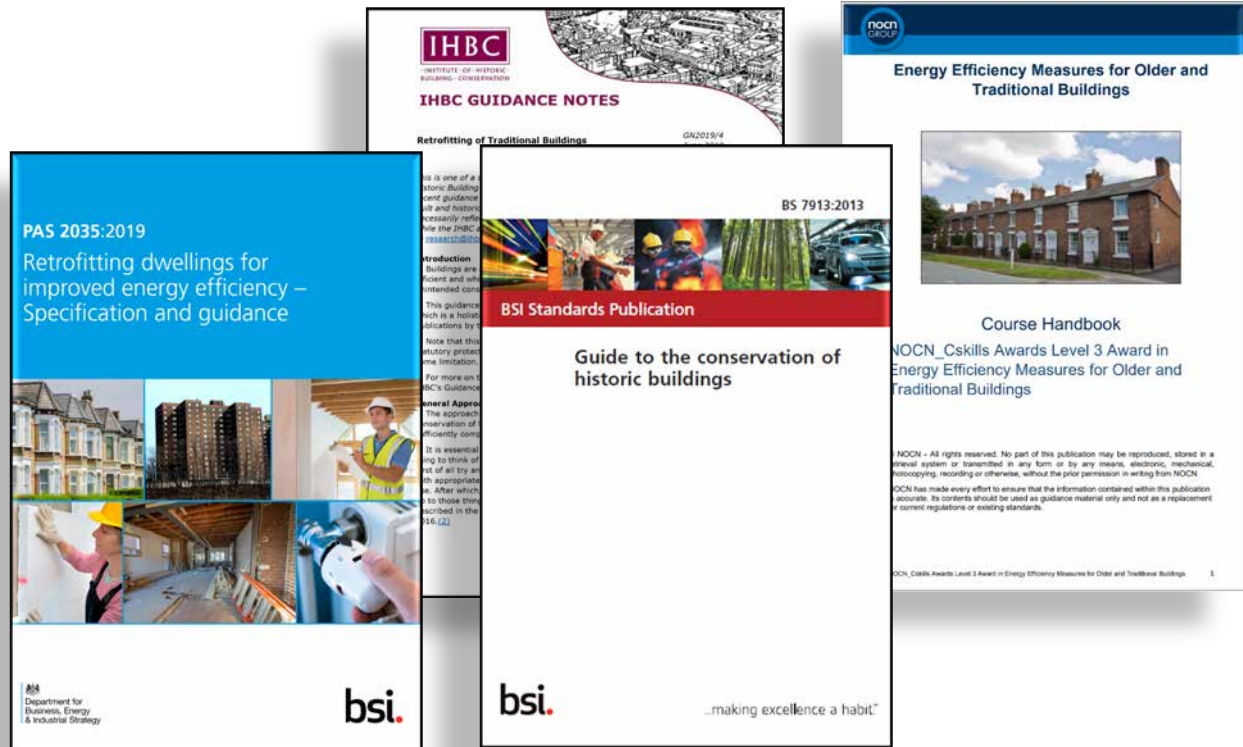


Energy Efficiency Measures for Older and Traditional Buildings: 2 day course – Level 3 Award Qualification

Energy efficiency & retrofit – traditional buildings

Education & Training - what it should include...

1. Technical
2. Significance
3. Process



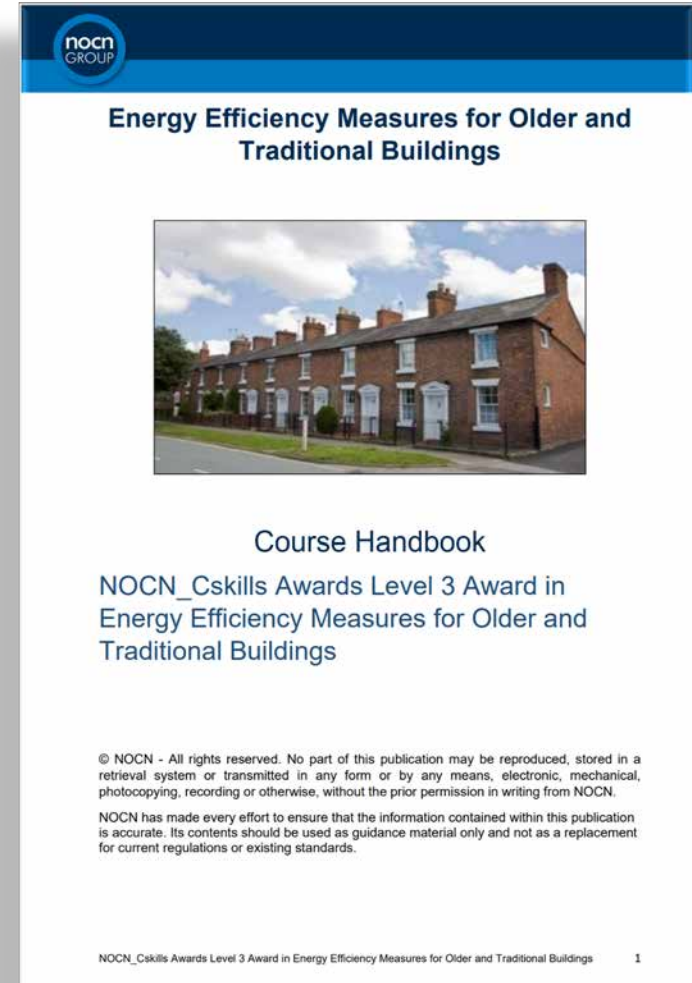
Energy Efficiency Measures for Older and Traditional Buildings: 2 day course – Level 3 Award Qualification

But it doesn't demonstrate competence!

Level 3 Award Qualification

What it entails

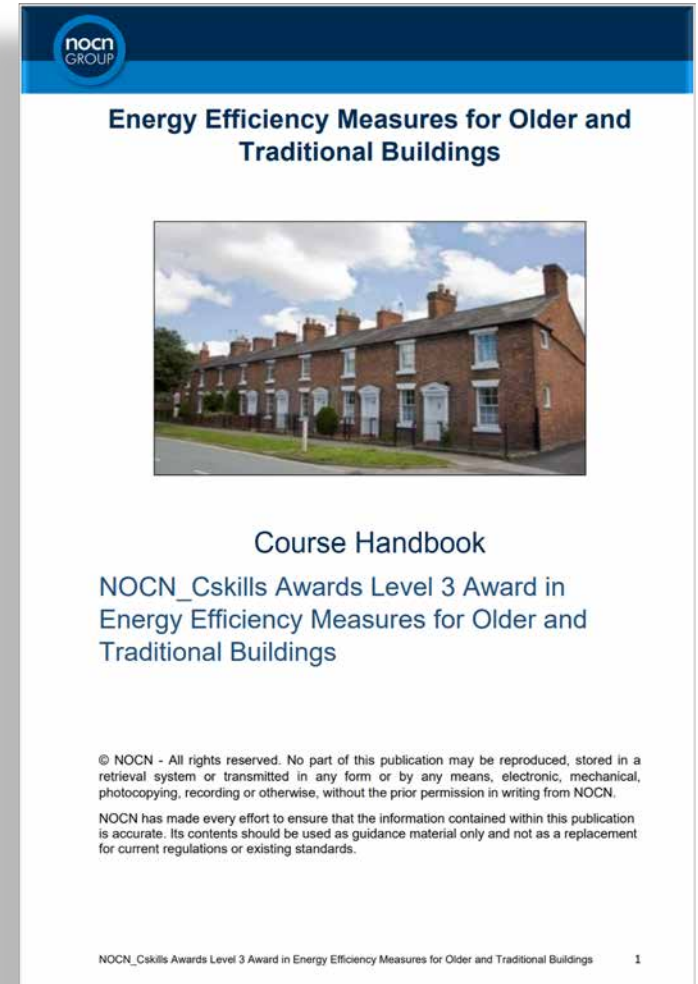
1. At least 21 hours learning
2. Pre course work
3. Based around the handbook
(developed for all training modes)
4. 2 day course with end tests
5. Independently quality assured by CITB
6. Some prior experience required
7. The only course achieving a recognised qualification in retrofitting traditional buildings
8. A requirement of PAS 2035



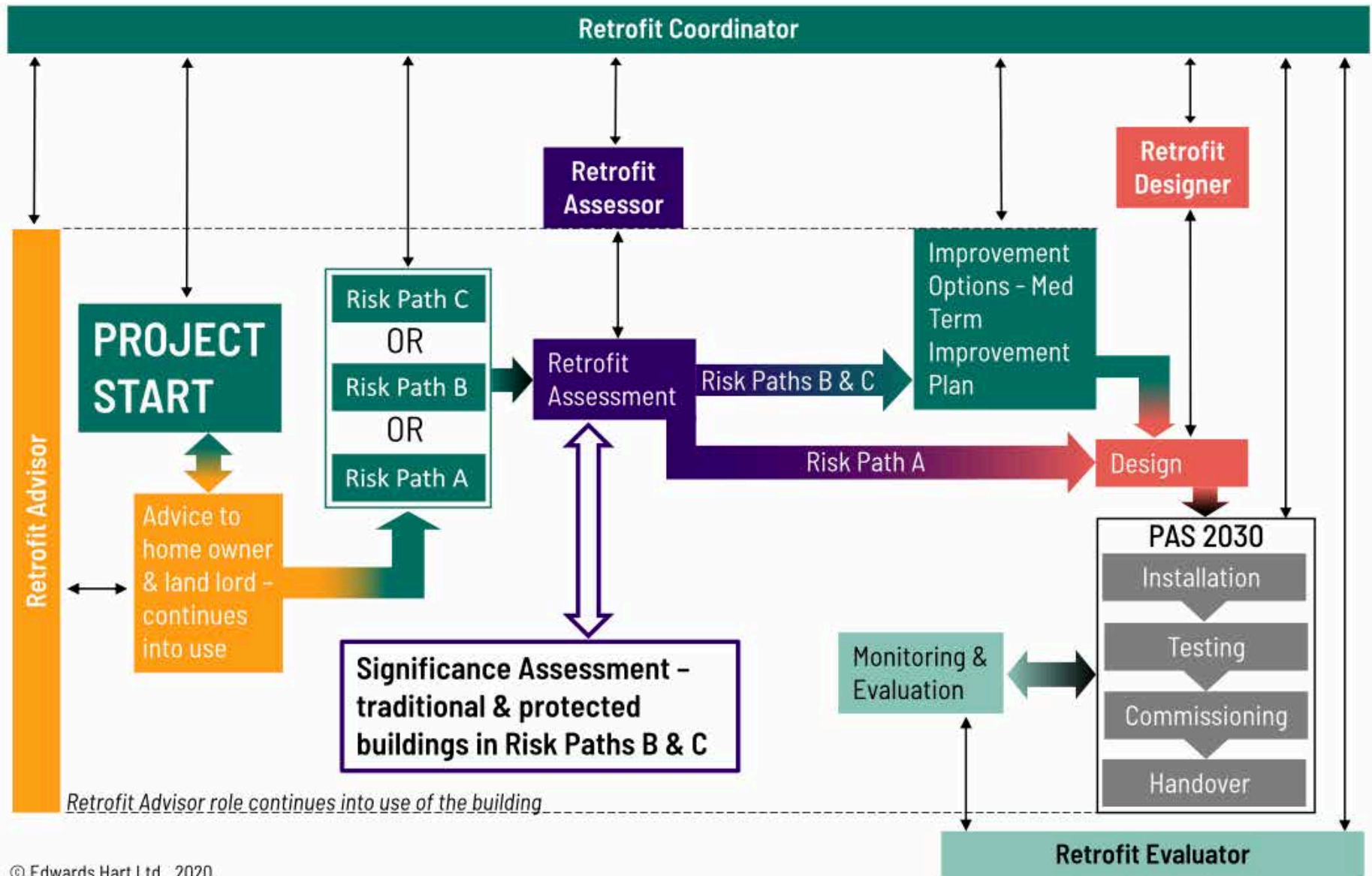
Level 3 Award Qualification

Who is getting qualified....

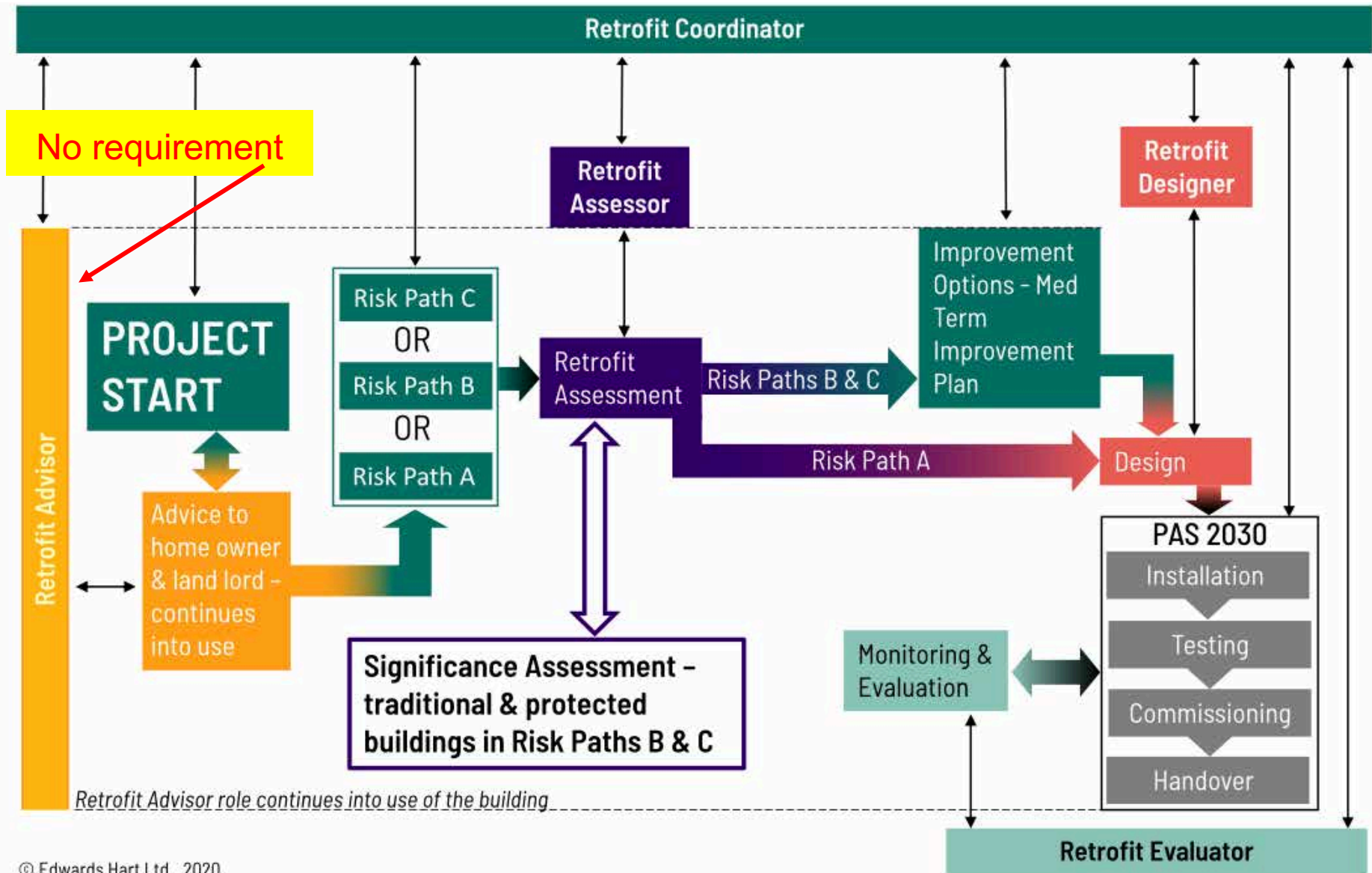
1. Architects
2. Surveyors
3. Builders
4. Heritage organisations
5. Housing Associations
6. Local authorities
7. Sustainability consultants
8. Project Managers
9. Construction Managers
10. Retrofit installers (various roles)
11. Retrofit Coordinators / Evaluators
12. Retrofit Assessors
13. Retrofit Designers



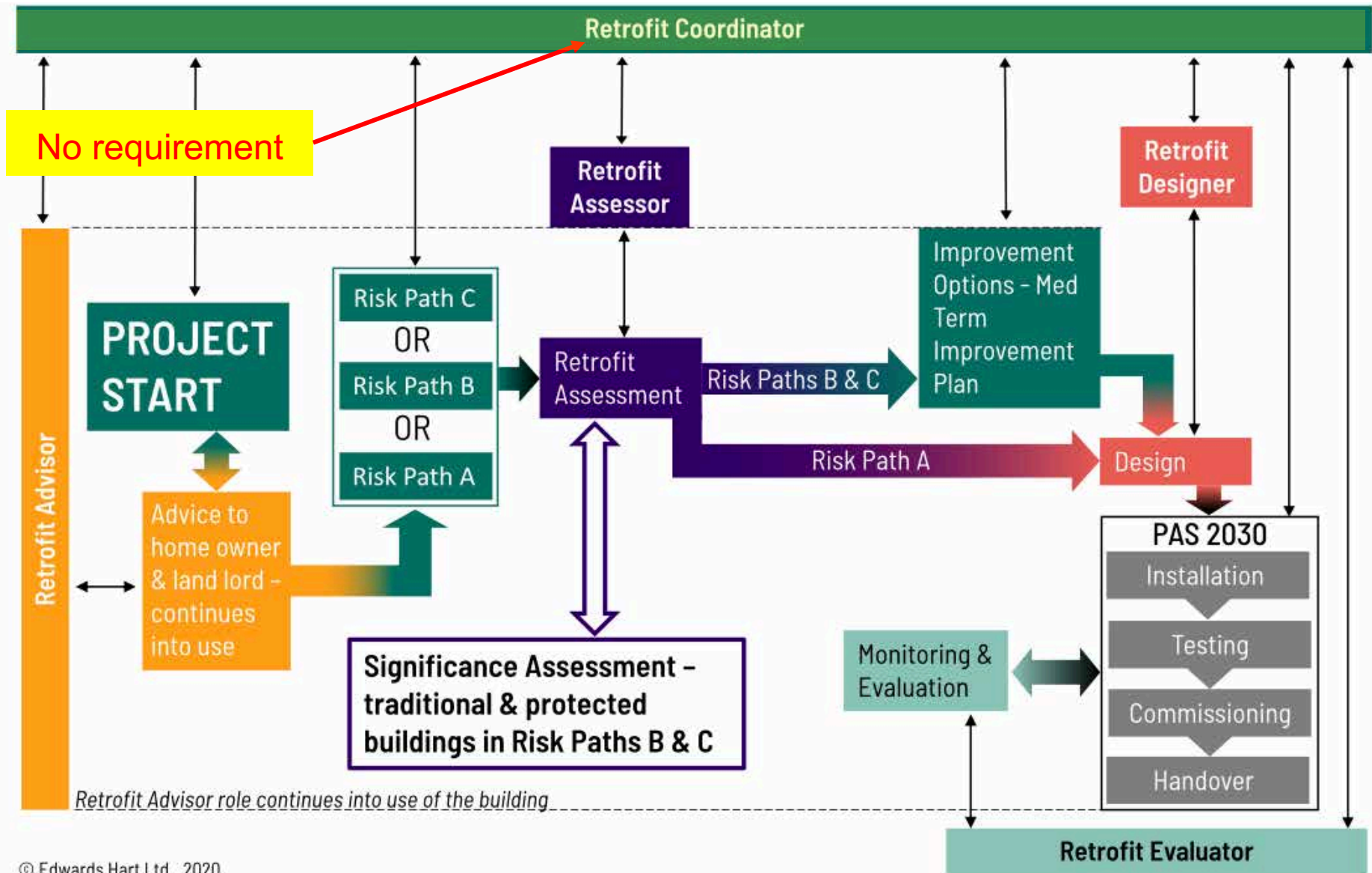
Level 3 Award Qualification – required in PAS2035



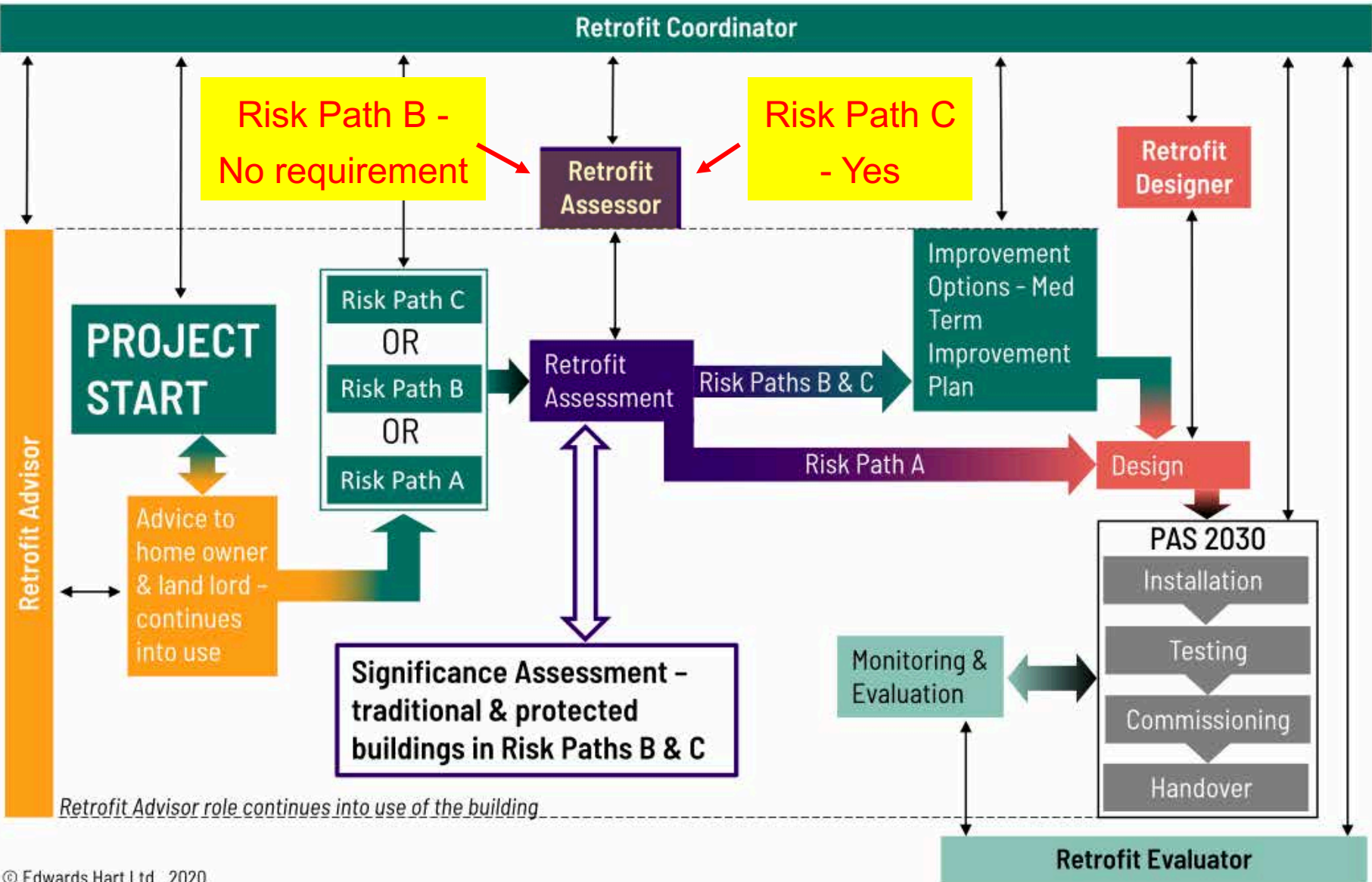
Level 3 Award Qualification – required in PAS2035



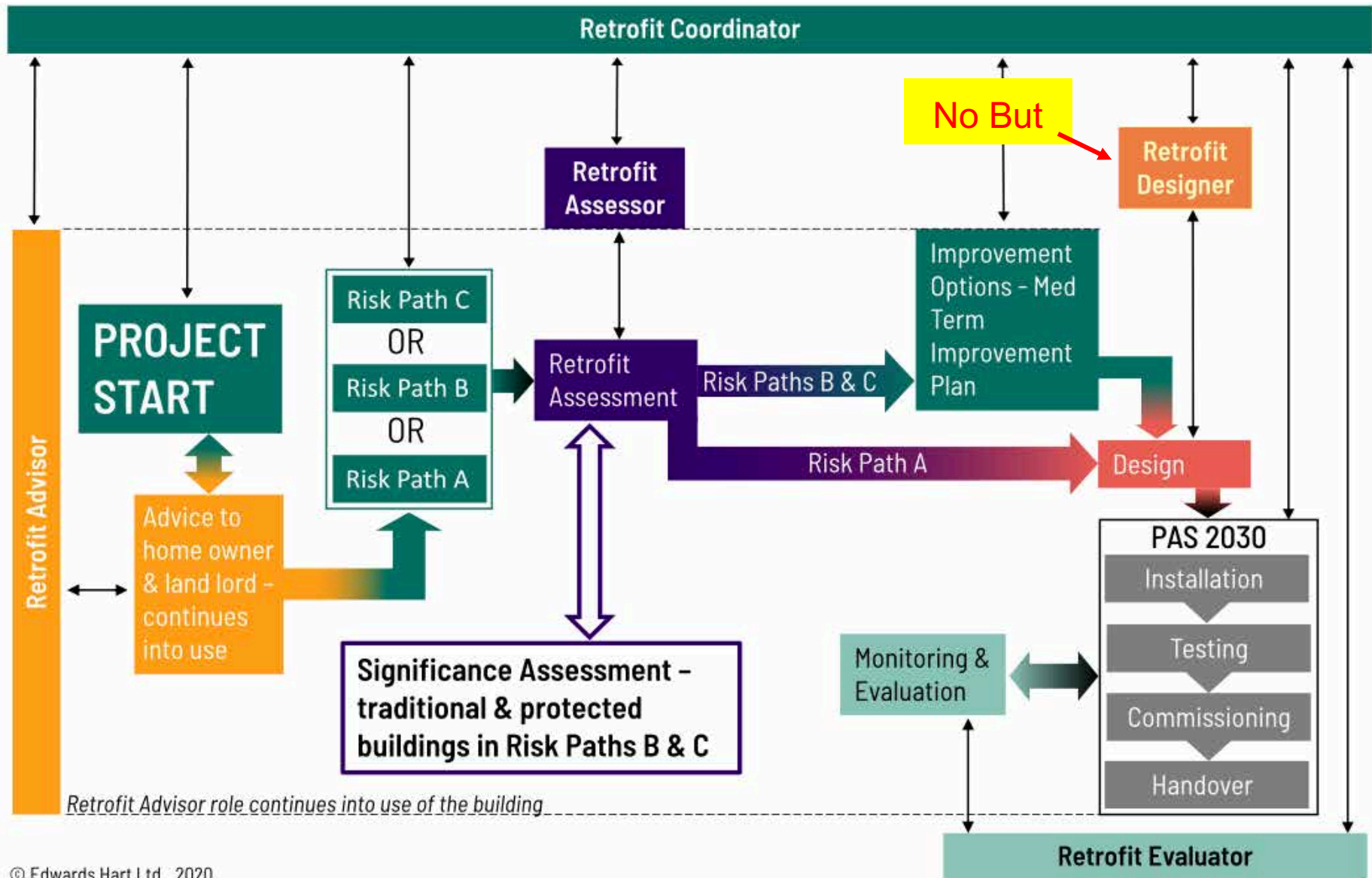
Level 3 Award Qualification – required in PAS2035



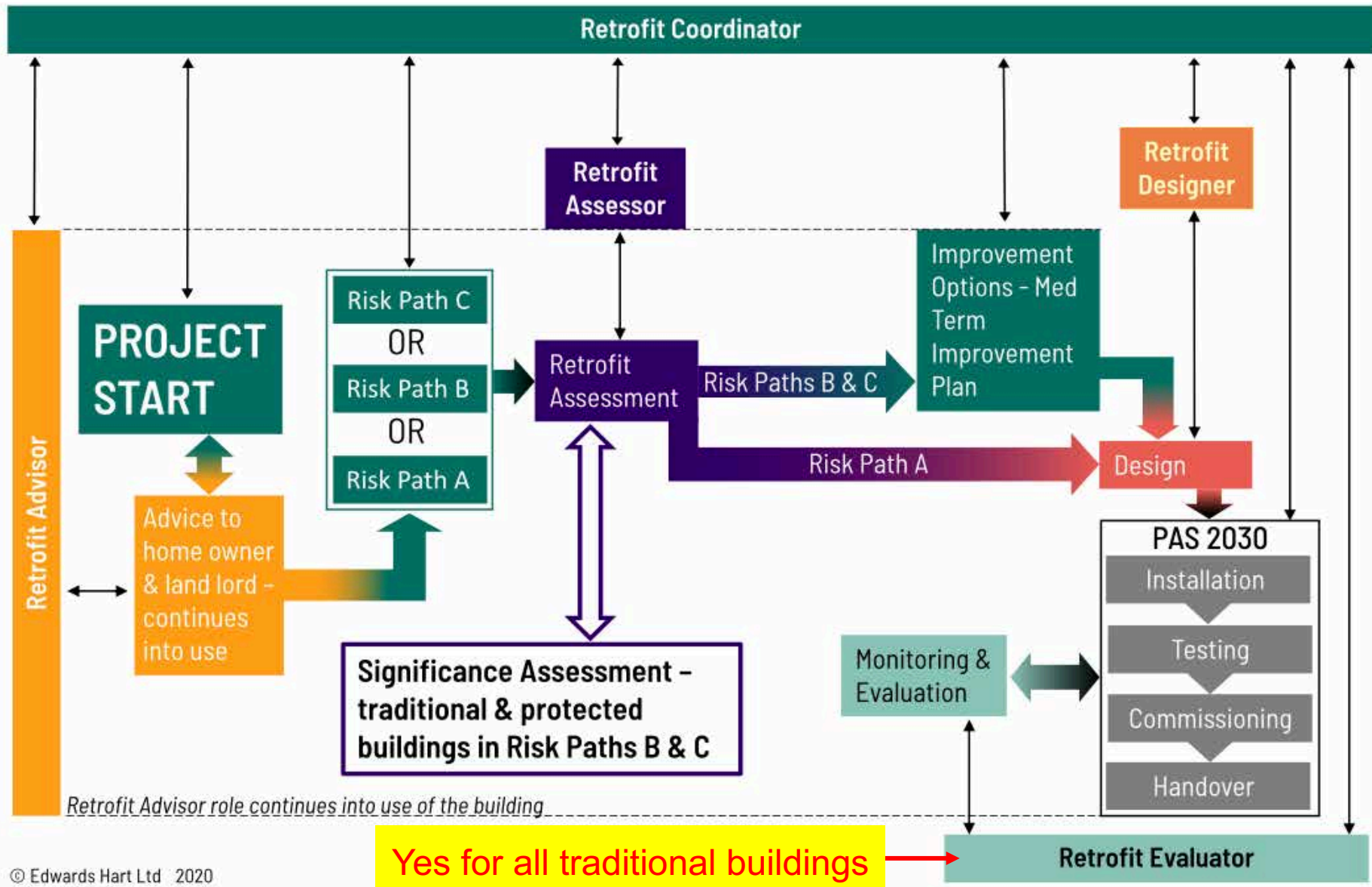
Level 3 Award Qualification – required in PAS2035



Level 3 Award Qualification – required in PAS2035



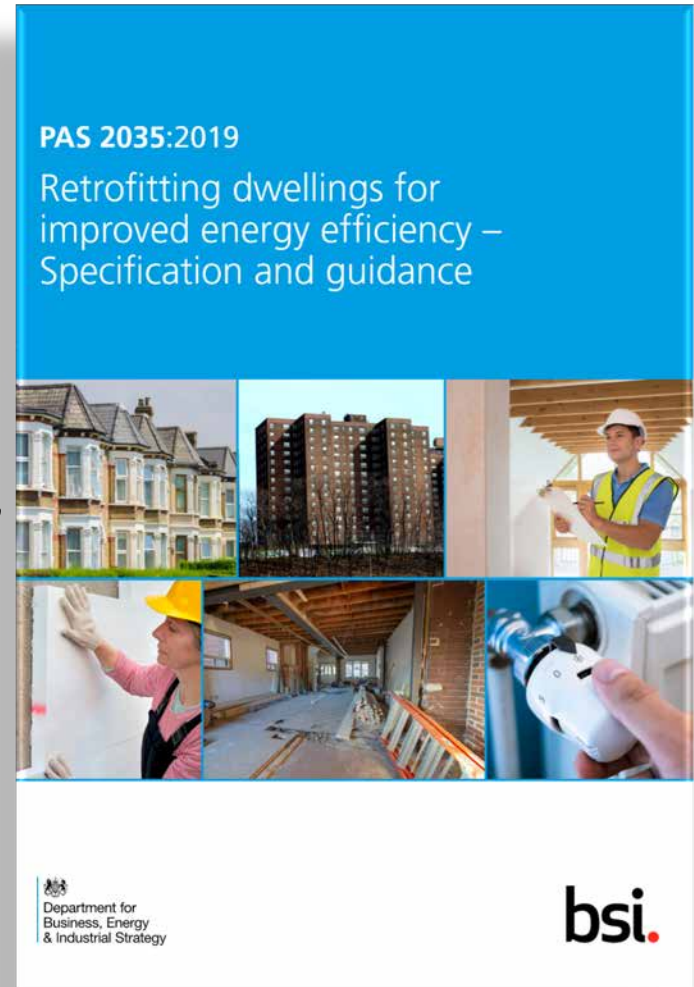
Level 3 Award Qualification – required in PAS2035



Level 3 Award Qualification – required in PAS2035

Required under PAS 2035 for Traditional Buildings

- ***Retrofit Advisor – NO***
- ***Retrofit Assessor YES & NO***
- ***Retrofit Co-Ordinator – NO, but...***
- ***Retrofit Evaluator – YES***
- ***Retrofit Designer – NO, but...***



Level 3 Award Qualification – required in PAS2035

Conservation Area?



Level 3 Award Qualification – required in PAS2035

YES

Conservation Area?

NO



Level 3 Award Qualification – required in PAS2035

YES

Conservation Area?

NO



Level 3 Award = YES

Level 3 Award = NO

Level 3 Award Qualification

Feedback



Alex Slattery • 1st

Home Energy Advisor at 361 Energy CIC

9h ...

This course is rightly included in PAS 2035. It is such an important aspect for the consideration of retrofit. I completed the course last Tuesday and have already referenced it a couple times in subsequent conversations.

Like · 1 | Reply



Henry Simms MCI0B • 1st

Planned and Compliance Manager at Linc Cymru

10mo •

A number of us completed this course today, and I have to say it is well worth it covering traditional buildings, building pathology, appropriate maintenance and considerations for retrofitting suitable energy efficient measures following PAS 2030/35, STBA wheel and BS7913 guide to conservation.

Last chance to book onto the course. Highly recommended! Thanks to [prof. john edwards](#) 👍



Scott Abercrombie @MrAbercrombie · Sep 22

Great couple of days on the Energy Efficiency Measures for Older and Traditional Buildings led by [@JohnEdwardsEH](#). Delighted to have gained my qualification and to be able to work as a PAS2035 Retrofit Designer on a variety of traditional buildings 🧐 [@CITB_Scotland](#) [@escukltd](#)



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For more information: www.environmentstudycentre.org

Many thanks for listening...