

APPLICATION FOR A MARINE LICENCE TO DREDGE AND/OR DISPOSE OF DREDGE MATERIAL

Please read the notes carefully before completing the form.

- The Marine Licensing Team (MLT) administers applications under Part 4 of the Marine and Coastal Access Act 2009 on behalf of the licensing authority, the Welsh Ministers.
- The completed application form must be accompanied by a location plan and, where appropriate, descriptive drawing(s) and any supporting environmental assessments. One completed hard copy of the application and supporting documents will always be required. Additional copies are required for consultation purposes.
 - For application and supporting documents less than 10MB we can accept an additional copy via email.
 - For applications larger than 10MB **16** additional copies in CD/DVD format will be required
 - When applications and supporting documents are hard copy only **16** copies will be required.
- Please submit applications to the **Permit Receipt Centre** via the details at the top of this form
- Please submit marine licence applications including this form and all supporting documents **at least 4 months before the licence is required.**

Some projects may raise matters that require a significantly longer time for consideration.

These are most likely to be:

- Projects that fall **within** The Marine Works (Environmental Impact Assessment) Regulations 2007 – as amended requiring an Environmental Statement
- Large scale projects with substantial volumes of material being deposited or excavated
- Works requiring an Appropriate Assessment to be conducted under The Conservation of Habitats and Species Regulations 2010
- Please note that an application will not be considered to be complete until sediment sampling and analysis has been undertaken. Please allow an additional **2 months** for sampling plan details and all relevant information to be submitted should sampling analysis be required.
- Information should be provided about the anticipated **duration of the entire project** in respect of works below/seaward of Mean High Water Spring (MHWS). Where appropriate, planned phasing of the work for which consent is sought must be detailed. For projects lasting more than one calendar year, planned phasing details must be given for each 12 month period.
- A licence fee is payable in respect of an application. Application fees are based on annual tonnage. Details of fees can be found at: <http://naturalresources.wales/apply-for-a-permit/marine-licensing/fees/?lang=en>

Please note applications will not be processed without the correct relevant fee.

Payments can be made via Cheque, BACS or credit/debit card.

- Cheques should be crossed and made payable to **Natural Resources Wales**.
- For BACS payments ensure you provide the reference number (not remittance number)
- For credit/debit card payments please complete the CC1 form and submit with the application. The CC1 form can be found via:
<http://naturalresources.wales/apply-for-a-permit/marine-licensing/fees/?lang=en>

Further information on payment methods can be found via:

<http://naturalresources.wales/apply-for-a-permit/marine-licensing/fees/?lang=en>

If dredged material is to be used for beneficial use within 2km of a European Protected Site (SAC, SPA or Ramsar) an **Environmental Sensitivity Supplement** is also payable.

- **All dredge and disposal activities need to comply with the Water Framework Directive (WFD). The framework and guidance can be found on the Natural Resources Wales website, <http://naturalresources.wales>. The results of your WFD assessment must be attached to your marine licence application.**
- Please answer all questions. If any information is not available at the time of application please indicate in the relevant section, giving reasoning in a covering letter. Outstanding details must be submitted as soon as possible. Any delay in forwarding details is likely to result in delays in determining your application.

Your application may not be considered complete and therefore not processed until key information has been submitted. Your application may be returned if you fail to submit outstanding information within given timescales.

- Please note any licence may have conditions that must be discharged before works can commence. This will take additional time.
- If you have any queries with regards to completing this application please contact the MLT: marinelicensing@naturalresourceswales.gov.uk

How your application will be processed by the MLT:

- Submit all application to the **Permit Receipt Centre** via the details at the top of this form.
- Checked and acknowledged by the MLT within 21 days of receipt of application and payment
- If the application is complete and no further information is needed at this time, your application will be placed in a work queue to be assigned a permitting officer
- If the application is not complete, further information will be request and need to be provided before the application can be considered as complete
- Our **4 months** service level for determining non-EIA applications will begin from the date the **completed** application, including sampling results, is received (*Please note some projects may take significantly longer than 4 months to determine due to their nature*)
- EIA projects may take significantly longer due to their scale and complexity. Therefore we encourage early engagement with the MLT
- Your application and supporting documents will be sent to for an initial consultation period of 28 days (*42 days for EIA projects*)

- For the majority of projects, a public notice must be advertised. Public consultation will be 28 days (49 days for EIA projects). For EIA projects a second public notice will be required. The MLT will advise on how this should be done.

It is the responsibility of the applicant to obtain any other consents or authorisations that may be required.

Application Form Structure

1. Project description and cost
2. Applicant details
3. Dredging contractor (Producer) details
4. Holder details
5. Agent details
6. Environmental Impact Assessment (EIA)
7. Current consents
8. Licensable Period
9. Duration of dredging operation
10. Dredging and/or disposal vessel(s) details
11. Method statement for dredging
12. Areas to be dredged
13. Details of materials to be dredged
14. Details of material quality
15. Construction/Land reclamation projects
16. Alternative Means of Disposal
17. Disposal at Sea
18. Conservation bodies
19. Statutory powers
20. Public register
21. Application fee
22. Declaration

Check List

Please ensure that you have included all the necessary information before you submit your application. **If any of the below are not completed in the application form, the application is likely to be considered incomplete and may be returned to you**

Item	Yes (✓)
The applicant is a legal entity?	Y
The declaration is signed by the applicant?	Y
Is the application fee correct?	Y
<i>If applicable</i> , is the Environmental Sensitivity Supplement correct?	N/A
Are the grid references/coordinates correct?	Y
Do the coordinates match map locations?	Y
Have all the relevant supporting documents been submitted?	Y
Has a clear methodology been provided in the application form?	Y
Has Protected sites information been included?	Y
Are all the continuation sheets for application questions appended with correct corresponding numbers?	Y

Should you have any queries regarding your application please contact the MLT via marinelicensing@naturalresourceswales.gov.uk

1. Project Description and Cost

1 (a). Project Name

Dredging the River Dee at the Load-out-Facility, Broughton, for Airbus Operations Ltd. |

1(b). Please provide a brief description of the proposed project, including location

Airbus Operation Ltd.'s Load out Facility (LoF) is located on the River Dee, Broughton, in North Wales (see appended **Figure 1**). The LoF enables the transportation of Airbus A380 wings from Broughton to the Port of Mostyn, on the Welsh coast of the River Dee. In 2018, 14 wings were transported from the LoF. In order to maintain an even keel and height, the Dee River Craft (DRC) rests upon a frame when wings are being loaded. The nature of the river is such that sediment accumulates in the berth, effectively covering the frame, thus providing an uneven surface that is unsuitable for the DRC to rest upon.

Consequently, a bespoke dredger has been used since 2007 to remove sediment from the frame, on a daily basis. Very infrequently dredging and disposal is undertaken twice daily (12 hours apart), this was undertaken on five occasions throughout 2018.

The bespoke dredging vessel deposits the dredged material by 'rainbowing' the sediments into the River Dee. The current marine licence DML1617 expires on 07 August 2019. The previous licence (13/06/ML/2) expired on 21 May 2016.

1(c). Please provide an estimated gross cost of the project (Inc. materials and labour) for works that fall below/seaward of Mean High Water Springs (MHWS)

Gross Maintenance Costs: £357,000 |

1 (d). Please specify which activities you are applying for (tick all that apply)

Dredging Disposal

1(e). Please provide the annual tonnage being applied for in this marine licence application

18,000 tonnes |

2. Applicant Details

(this must be a legal entity such as an individual, registered company/ charity or a public body)

Title | Mr | Name | Alan | Surname | Whitehurst |

Company or Trading Name | Airbus Operations Limited |

Registered Address (inc. postcode) | Chester Road
Broughton
Flintshire
CH4 0DR |

Name of Contact (if different) | N/A |

Position in Company	Project Leader / Enablement Leader
Telephone no. (inc. area code)	+44 (0) 7753 867483
Email address	alan.whitehurst@airbus.com
Company Registration Number	03468788

3. Dredging Contractor (Producer) Details

(The **Producer** is anyone whose activities produce the material intended to be deposited at sea)

If the **Producer** is the applicant in 2, please tick and move on to section 4

Title Name Surname

Company or Trading Name	Strategic Marine Services Limited
Address (inc. postcode)	14 Chapel Court Wervin Road Wervin Cheshire CH2 4BP
Name of Contact (if different)	N/A
Position in Company	Vessel management and project supervision
Telephone no. (inc. area code)	+44 (0) 1244 371428
Email address	ch@stratmarine.com
Company Registration Number	4032986

If there is more than one **producer**, please continue on a separate sheet and tick box

4. Holder Details

(The **Holder** is anyone who is in possession of the dredged material prior to its deposit at sea)

If the **Holder** is the applicant in 2, please tick and move on to section 5

If the **Holder** is the producer in 3, please tick and move on to section 5

Title Name Surname

Company or Trading Name

Address (inc. postcode)

Name of Contact (if different)

Position in Company

Telephone no. (inc. area code)

Email address

Company Registration Number

If there is more than one **holder**, please continue on a separate sheet and tick box

5. Agent Details

(An **Agent** is anyone engaged to act under contract or other agreement on behalf of any party listed in **2,3 or 4** having responsibility for the control, management or deposit of the material anywhere below Mean High Water Springs). This is who we will correspond with unless otherwise informed. If there is no agent, we will contact the applicant.

Function (eg. Sea Disposal Contractor)

Title Name Surname

Company or Trading Name

Address (inc. postcode)

Name of Contact (if different)	[N/A]
Position in Company	[Vessel manager and Project supervisor]
Telephone no. (inc. area code)	[+44 (0) 1244 371428]
Email address	[ch@stratmarine.com]
Company Registration Number	4032986

If there is more than one **agent**, please continue on a separate sheet and tick box

Does the Applicant wish to be included in all correspondence? Yes No

6.Environmental Impact Assessment

6(a). Have you considered the works to be under the Environmental Impact Assessment Directive (Directive 85/337/EEC – as amended) on the assessment of the effects of certain public and private projects on the environment?

Yes No

6(b). If **Yes**, which Annex do you consider they fall within? Annex I Annex II

6(c). Have you applied for a screening or scoping opinion from the **MLT** under the **Marine Works (Environmental Impact Assessment) Regulations 2007** (as amended)? Yes No

If **Yes**, what is the reference?

6(d). Has an Environmental Impact Assessment been undertaken to support this application? Yes No

If **Yes**, is a copy of the assessment included in this application? Yes No

6(e). Please provide an explanation if assessment has been done and a copy is **not available**.

As this is a renewal application for a maintenance dredging marine licence, an EIA is not applicable.

Water quality monitoring of the dredging operation has previously been undertaken to determine the effect this operation is having on river water quality. A report produced in October 2013 (Royal HaskoningDHV, 2013; attached to this application), concluded that the dredging operations were having a localised but minor effect on total suspended solid (TSS) levels in the River Dee, with levels remaining well within the natural variations exhibited within the river. The highest TSS level recorded was 124.6 mg/l, recorded at 500m from the dredging near to the north bank of the river, whilst the lowest recorded level was 81.9 mg/l at 200m from the dredging in the centre of the channel. The data shows that the dredging is not affecting water quality at 200m downflow, given that all TSS levels were below those recorded upflow.

Updated sediment analysis undertaken in April 2019 has shown that the material continues to be suitable for disposal, with all tested contaminants below Cefas Action

7. Current Consents (if applicable)

7(a). Existing Licence(s)/Consent(s)
Reference Number

DML1617

7(b). Expiry date

07 August 2019

7(c). Quantity (tonnes) deposited under
Current licence at (date)

32,192.6 tonnes at 31 December 2018

7(d). If **No** current licence/consent exists, please give reference number(s) for any historic licences(s)/consent(s) held for this operation or state if this is not applicable.

N/A

8. Licensable period

Determination of your Marine Licence application will be based on the works taking place during these dates. Please ensure you have included an adequate contingency period. If works are not completed by the Requested Licence Expiry Date you may be required to submit a new application. *Including a contingency period within your original application does not impact on Licence Fee*

Start Date 07 August 2019

Requested Licence Expiry Date 07 August 2022

Please ensure you submit your application for a Marine Licence **at least 4 months** prior to the intended start date. Some projects will take significantly longer than this to determine.

9. Duration of Dredging and/or Disposal Operation

If your operation will not take place year round at the locations outlined in section 12, please state the expected periods when dredging and/or disposals will take place.

9(a). Proposed periods of dredging and/or disposal operations

N/A-Dredging will take place year round

9(b). Expected completion date of dredging and/or disposal operations

20th August 2040

10. Dredging and/or Disposal Vessel(s) Details

	Operator	Name of Vessel	Vessel Registration Number	Country of Registration	Method of Deposit
(a)	Strategic Marine Services Ltd	Arenig Fawr	IMO 9408700	United Kingdom	Rainbowing
(b)					
(c)					

Please continue on a separate sheet if necessary. Please tick if you have done this

11. Method statement for dredging and/or disposal operations (if applicable)

Please provide a comprehensive method statement for each dredging campaign, including type of dredging (if using different types at different locations please state), duration, and depth of proposed dredge, dredge areas and deposit areas

Dredging takes place on the frame to a target depth of 200mm below the surface of the frame (0.5m AOD) and is continuous.

The frame has been divided into eight sections, with one section being dredged per day. Sections of the frame are dredged when necessary rather than on a rotational basis. The nature of the sediments that accumulate in each section differs depending on the location of the section, with the sections nearest to the river bank and ramp being finer than those further into the river channel, which are coarser.

Please continue on a separate sheet if necessary. Please tick if you have done this

The duration of dredging is dependent upon tidal conditions and, to a lesser extent, the volume of river flow. The dredger can operate in between 1.5m of water, below which the dredger would ground, and 3.5m of water, above which the dredger cannot reach the riverbed. This restricts the time available to dredge to between 1.5 hours and 6 hours per day, with the majority of dredging taking place on the ebb tide.

During 2018, the dredger operated on average 4.69 hours per day. Dredging does take place on the flood tide; however, mainly on low neap tides (a few times per month), as otherwise the tide comes in too fast increasing the risk of an accident and quickly reaching 3.5m, making dredging impossible. Strategic Marine Services Ltd. forecast tides 12 days in advance, using POLTIPS•3 (Tidal prediction software) to predict the allowable dredging window.

The dredged material is deposited immediately back into the river via a side-cast arm approximately 12.5m long. The discharge outlet is upturned and constricted, which sprays the discharge a further 15m to 20m across the river channel. This methodology is referred to as rainbowing and has a number of environmental advantages over simply discharging the material via a pipe, as:

1. It ensures full aeration of the discharge, thereby reducing any oxygen demand;
2. It disperses the dredged material over a wide section of the river preventing dense plumes of suspended sediments;
3. It prevents the dredged material from forming berms that could impede navigation; and,
4. It reduces the tendency for foam to occur as small water droplets contain less air and bubbles tend to dry out.

Continual dredging also prevents the need to dredge large quantities of material at once thus reducing the activity's effect on water quality.

12. Areas to be Dredged

	Name of Area to be Dredged (an annotated chart must be attached with each proposed dredge area-boundary latitude and longitude should be given in next column)	Coordinates (degrees and minutes to 2 decimal places)		Nature of Dredge (such as river, sea, harbour, estuary)	Date Area last Dredged (If known) (month and year)
(a)	Load-out-Facility	53° 11.60' N	2° 58.10' W	River	April 2019
		53° 11.59' N	2° 58.12' W		
		53° 11.61' N	2° 58.13' W		
		53° 11.62' N	2° 58.11' W		
(b)					
(c)					
(d)					
(e)					

Please continue on a separate sheet if necessary. Please tick if you have done this

13. Details of Material to be Dredged and/or Disposed

For each area listed in **10** [a to e] including any listed separately, please give the following information:

	Type of Material (Maintenance or Capital Dredge)	Specific Gravity (estimate)	Physical Composition of Materials (Approximate proportions by volume of clay/silt/sand/gravel/etc...)	Depth of Material being Removed (Approximate maximum depth in metres)	Quantity to be Dredged each year (Indicate in-situ cubic metres or metric tonnes)
(a)	Maintenance	1.7	Sand 95% Silt 5%	0.2	18,000 metric tonnes
(b)					
(c)					
(d)					
(e)					

Please continue on a separate sheet if necessary. Please tick if you have done this

Dredged and/or Disposal Material: additional information

For each area listed in **10** [a to e] including any listed separately, please give the following information:

	Type of Contamination (State if material to be deposited at sea is likely to be contaminated by any known waste discharge or man-made rubbish (e.g. scrap metal/concrete))	Type of Dredger Proposed to be Used	Any beneficial uses (inc. mitigation) for the material to be dredged (any alternatives to disposal at sea should be indicated, details in 11)
(a)	It is unlikely that the dredged material will be contaminated having been accumulated over the previous eight days. Consequently, it will comprise the same chemical quality as the surrounding river water.	Trailing suction dredger	The process of depositing the dredged material directly back into the river, rather than depositing on land or offshore, is deemed to be of beneficial use as this ensures that the sediment budget of the river and estuarine system is maintained.
(b)			
(c)			
(d)			
(e)			

Please continue on a separate sheet if necessary. Please tick if you have done this

14. Details of Material Quality

Applicants are not normally required to specify chemical quality of dredged materials for deposit, unless depositing at sea. There will usually be a requirement to submit samples for the purpose of assessing the effects of the materials on the marine environment to enable the UK to fulfil its obligations under International Conventions

14(a). Has the dredged material been chemically analysed in the past 3 years? Yes No

14(b). Can the sample be made available now if required? Yes No

If **No**, please state when they will be available

N/A

15. Construction/Land Reclamation Projects

15(a). Is the dredging operation related to a construction or land reclamation project? Yes No

If **Yes**, have you applied for a construction or reclamation licence under **Part 4** of the **Marine and Coastal Access Act 2009**? Yes No

If you have **Not** yet applied for a construction/reclamation licence, please provide an explanation

N/A

Please continue on a separate sheet if necessary. Please tick if you have done this

16. Alternative Means of Disposal

The Licensing Authority requires applicant to have regard to the practical availability of alternative means of disposal or treatment (other than deposit at sea) when determining whether to issue a licence, in order to fulfil its responsibility.

Please state the results of your investigations to identify alternative means of disposal, including beneficial uses, or treatment of the materials, along with cost of all options, including deposit at sea.

A Sediment Management Plan was produced in 2007. The Plan assessed the alternative means of disposal to determine the best method for use at this site.

The process of depositing the dredged material back into the river is deemed to be of beneficial use as it ensures that the sediment budget of the river and estuarine system is maintained.

Please continue on a separate sheet if necessary. Please tick if you have done this

17. Disposal at Sea

17 (a). Do you intend to dispose of any dredged material at sea Yes No

17 (b). Please provide the disposal site code

17 (c). Please provide the coordinates of the intended disposal site

N/A

18. Conservation Bodies

18 (a). Licensing Authorities have a duty to ensure that projects will **not have significant adverse environmental impact**, particularly on any designated **European Site of Conservation Importance - Special Areas of Conservation (SAC) and Special Protection Areas (SPA), listed under the Habitats Directive (Council Directive 92/42/EEC on the conservation of natural habitats and of wild fauna and flora)**. In addition, it is Government Policy that Wetlands of International Importance (Ramsar sites) are also considered as European Sites. There is a duty to take reasonable steps to further the conservation and enhancement of nationally designated sites (Sites of Special Scientific Interest (SSSIs)).

Please provide copies of correspondence with Natural Resources Wales or its legacy bodies (**in this case the Countryside Council for Wales**) or Natural England. Please indicate below if **no consultation had yet taken place**.

<p>The dredging operation has been on-going since 2007 and CCW/NRW has been consulted for the previous applications. No specific consultation with NRW has been undertaken prior to submission of this application (other than to raise awareness with NRW that the application is to be submitted).</p> <p>There have been no changes in conservation designations since the previous Marine Licence application.</p>
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Please continue on a separate sheet if necessary. Please tick if you have done this

18 (b). **Are any parts of the proposed works located *within or likely to affect* a designated conservation site? (SAC, SPA, SSSI or Ramsar Sites)** Yes No

18(c). If **Yes**, which designated site(s) will the works fall within:

<p>River Dee/Afon Dyfrdwy SSSI</p> <p>River Dee and Bala Lake/Afon Dyfrdwy a Llyn Tegid SAC</p>

18(d). Please provide a description of all measures proposed to avoid any impacts on designated conservation sites

Water quality monitoring reports have been completed in 2011 and 2013, both showing that the effects of the dredging operations remain localised to within 200m of the LoF. The report demonstrates that the largest difference between the upflow and downflow recordings of TSS was along the south bank, with a TSS level of 104.2 mg/l upflow and 115.6 mg/l 500m downflow. This level is still below the level recorded upflow of the dredging along the north bank. Changes in DO levels followed a similar trend as TSS levels in the river; however, with a much reduced level of variation, the largest being only 1.9%. Overall, the dredging operations are not considered to be significantly affecting the dissolved oxygen field in the river. . Rainbowing has been selected as the method of disposal. It is deemed to be of beneficial use as this ensures that the sediment budget of the river and estuarine system is maintained. An updated WFD assessment accompanies this application and up to date sediment sample collection and analysis was undertaken in April 2019

Please continue on a separate sheet if necessary. Please tick if you have done this

18(e). If **No**, please indicate the approximate distance to the nearest conservation site of the proposed works.

Please note that if the proposed works is in or within **2km** of a European Site of Conservation Importance an **Environmental Sensitivity Supplement** is payable and you will have to provide suitable mitigation measure.

19. Statutory Powers

Do you or (if appropriate) your client, have statutory powers to consent any aspect of the project? Yes No

If **Yes**, please give details:

20. Public Register

Under The Marine Licensing (Register of Licensing Information)(Wales) Regulations 2011 and the Environmental Impact Assessment Directive (Directive 85/337/EEC - as amended) , all information contained within or provided in support of this application will be placed on the Public Register unless NRW approve of the applicant's reasons for withholding all or part.

Is there any information contained within or provided in support of this application that you consider **should not be included** on the Public Register on the grounds that its disclosure:

19(a). Would be contrary to the interest of National Security? Yes No

19(b). Would prejudice to an unreasonable degree you, or some other person's commercial interest of those of

a third party?

Yes

No

If **Yes**, to either (a) or (b), please full justification as to why all or part of the information you have provided should be withheld.

N/A

Please continue on a separate sheet if necessary. Please tick if you have done this

21. Application Fee

20(a). What are the corresponding fee band and fee for this application?

	Fee Band	Fee
Application Fee	2	£1,920
Environmental Sensitivity Supplement (ESS)	N/A	N/A
TOTAL application fee		£1,920

20(b). What is the method of payment?

Method	Yes (✓)	Reference Number
Cheque		
BACS (not remittance no.)	Yes To Sort 607080 Acc 10014438	PRCAPPAIRBUDML
World Pay (phone or CC1)		

Please attach **CC1 Form** with application. Can be found at: <http://naturalresources.wales/apply-for-a-permit/marine-licensing/fees/?lang=en>

22. Declaration

I declare that to the best of my knowledge and belief that the information given in this application form and related papers is true.

WARNING: It is an offence under the Marine and Coastal Access Act 2009, under which this application is made, to fail to disclose information or to provide false or misleading information and can invalidate any licence granted.

See scanned signed page attached below

Signature: _____ Date _____

Name (*in capitals*) | Alan Whitehurst |

Position in Company | Enablement Manager |

*Applications cannot be processed unless signed by the applicant (not agent); the applicant must have the appropriate level of authority within the company. **Applications will not be processed unless signed.***

Please attach **CC1 Form** with application. Can be found at: <http://naturalresources.wales/apply-for-a-permit/marine-licensing/fees/?lang=en>

22. Declaration

I declare that to the best of my knowledge and belief that the information given in this application form and related papers is true.

WARNING: It is an offence under the Marine and Coastal Access Act 2009, under which this application is made, to fail to disclose information or to provide false or misleading information and can invalidate any licence granted.

Signature:  Date 29/4/19

Name (*in capitals*) Alan Whitehurst
Position in Company Enablement Manager

Applications cannot be processed unless signed by the applicant (not agent); the applicant must have the appropriate level of authority within the company. Applications will not be processed unless signed.

a third party?

Yes

No

If Yes, to either (a) or (b), please full justification as to why all or part of the information you have provided should be withheld.

N/A

Please continue on a separate sheet if necessary. Please tick if you have done this

20. Application fee

20(a). What are the corresponding fee band and fee for this application?

	Fee Band	Fee
Application Fee	2	£1,920
Environmental Sensitivity Supplement (ESS)	N/A	N/A
TOTAL application fee		£1,920

20(b). What is the method of payment?

Method	BSN	Reference Number
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Cheque

BACS (not remittance no.)
Yes To
Sort 607080 PRCAPPAIRBUDML
Acc 10014438

World Pay (phone or CC1)