# Competition in Connections Code of Practice Reporting 2020-21 Appendices

(April 2020 – March 2021)

SP Manweb and SP Distribution

September 2021

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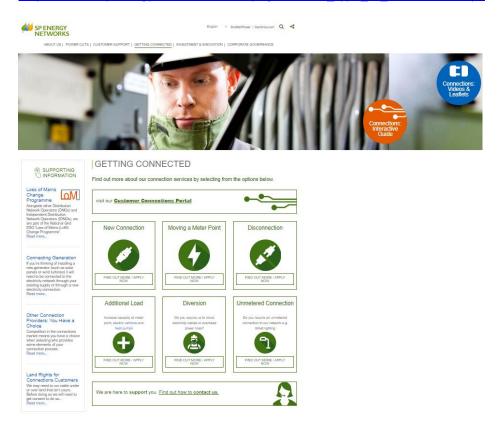
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- i) UMV/GND/PowerOn Portal screen
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# Appendix 1 – Website Pages

# i) <u>Getting Connected</u>

https://www.spenergynetworks.co.uk/pages/which\_type\_of\_connection.aspx



https://www.spenergynetworks.co.uk/pages/new\_connections.aspx

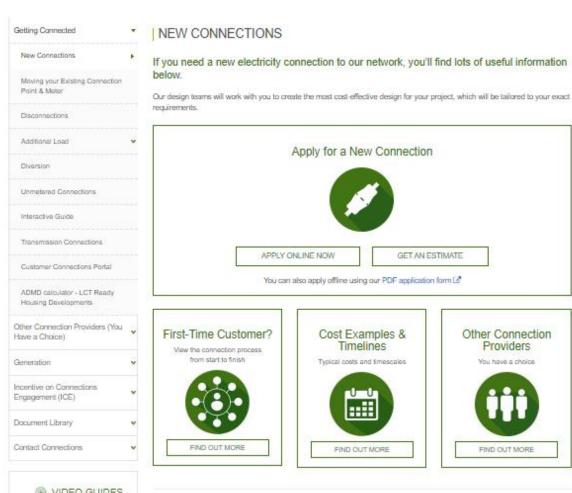


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# **Getting Connected**

Home > Getting Connected > Getting Connected > New Connections



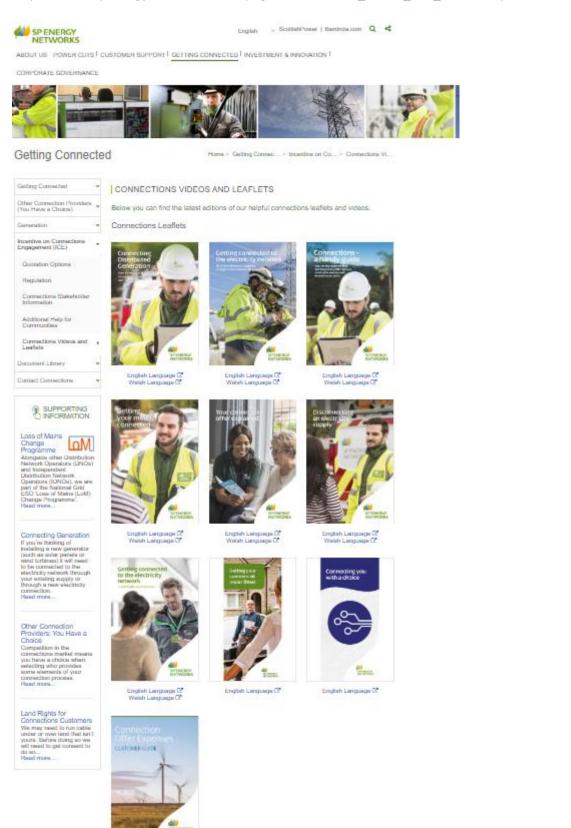


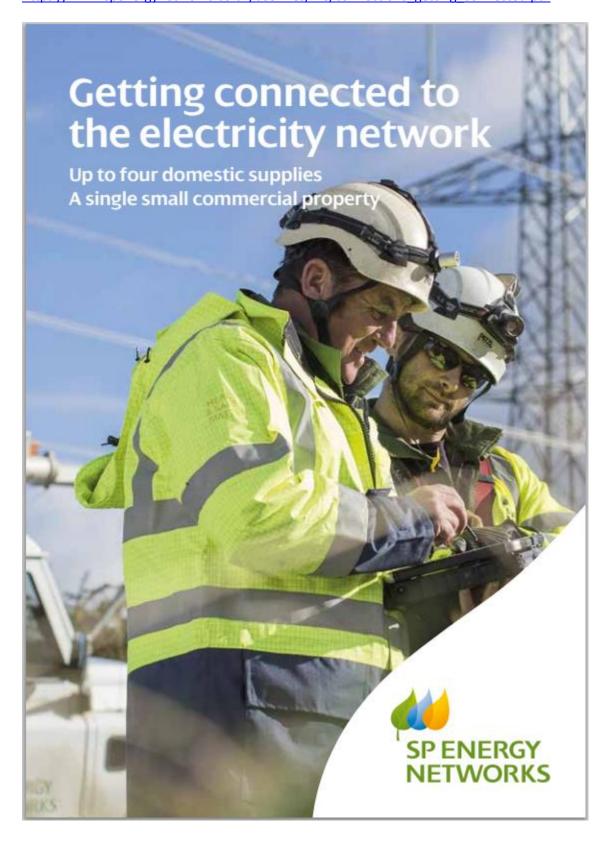
GO BACK TO CONNECTIONS MAIN PAGE

## ii) Connections: Customer Process

English Language [2]

Select <a href="https://www.spenergynetworks.co.uk/pages/getting">https://www.spenergynetworks.co.uk/pages/getting</a> connected.aspx and press the blue button "Connections Videos and Leaflets" which will take you to <a href="https://www.spenergynetworks.co.uk/pages/connections">https://www.spenergynetworks.co.uk/pages/connections</a> videos and leaflets.aspx







Video Guides





New Connections

If you have recently built a new property and need a connection to the electricity network, it's easier than you think This video tells you how we can help.

Disconnections

If you no longer require an electricity supply to a property an need it to be disconnected from our electricity network, this video tell you how we can help.





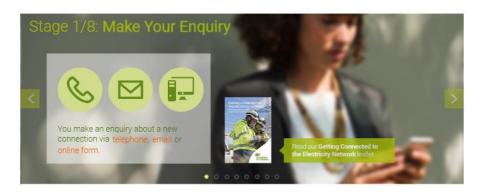
Moving your connection point

If you're carrying out home improvements and want to move you current connection point and electricity meter, it's easier than you think.

Connecting Renewable Energy

If you're thinking about connecting solar panels or wind turbines to the electricity network, we're here to help. Connect renewable energy to the network

https://www.spenergynetworks.co.uk/pages/customer process new connection.aspx which will take you through an 8-step process, providing you with links to information and leaflets/documents; examples of the stages are shown below.





iii) Other Connection Providers (you have a choice)

## https://www.spenergynetworks.co.uk/pages/competition in connections.aspx



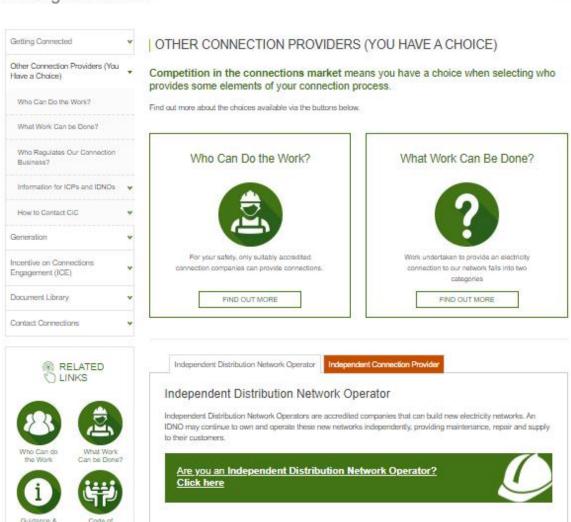
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# **Getting Connected**

Huma > Getting Connected > Other Connection Provid.



## iv) Who can do the work?

## https://www.spenergynetworks.co.uk/pages/who can do the work.aspx



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# **Getting Connected**





## WHO CAN DO THE WORK?

You can choose who carries out certain elements of the connection work. This is known as contestable work and can be completed by an Independent Connection Provider (ICP) or an Independent Distribution Network Operator (IDNO).

#### Alternative Connection Providers

There are a number of Alternative Connection Providers active in the SP Distribution (SPD) and SP Manweb (SPM) areas.

For your safety, ICPs and IDNOs must possess the appropriate accreditations to carry out contestable works.

You'll find further information at the following links:

- · IDNOs ☑

A list of accredited ICP and IDNO companies can be found on the Lloyds Register & website.

If you are a Connections Provider and would like your company to be listed, please email gettingconnectedupdate@spenergynetworks.co.uk

#### Competition in Connections Code of Practice v)

## https://www.spenergynetworks.co.uk/pages/competitions in connections code of practice.aspx



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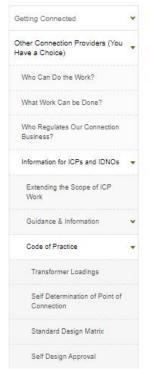






# **Getting Connected**

Home > Getting Connected > Other Connection Provid... > Information for ICPs and I... > Code of Practice



## CODE OF PRACTICE

In June 2014 Ofgem opened their review of the market for new connections to the electricity distribution network. They subsequently published, in January 2015, their proposed solutions to the issues identified and the best way to implement them.

Distribution Networks Operators (DNOs) were tasked with developing a Code of Practice (CoP) in consultation with stakeholders and this was completed collectively with the Electricity Networks Association (ENA). The resultant Code of Practice was approved by Ofgem in July 2015, with an implementation date of October 2015.

The Competition in Connections Code of Practice can be found here .

The ENA have created an additional site specifically for the Code of Practice. For further details please go to www.connectionscode.org.uk 2\*

The Competition in Connections Code of Practice requires DNOs to publish an annual report to demonstrate their compliance with the code. Our Annual Report for the reporting period 2018-19 can be found here:

- Competition in Connections Code of Practice Report 2019-20 ☑
- Competition in Connections Code of Practice Reporting 2019-20 Appendices 

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Other pages in this section:

- Transformer Loadings
- Self Determination of Point of Connection
- Standard Design Matrix
- Self Design ApprovalAuthorisation and Accreditation
- Workshop Presentations

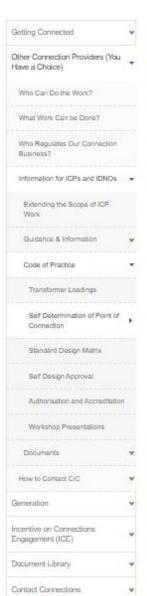
## vi) Self-Determination of Point of Connection

## https://www.spenergynetworks.co.uk/pages/self\_determination\_of\_point\_of\_connection.aspx



## Getting Connected

Home > Getting Connected > Other Connection Provid... > Information for ICPs and I... > Code of Practice > Self Determination of Pot.



## SELF DETERMINATION OF POINT OF CONNECTION

Independent Connection Providers (ICPs) shall be able to self-determine the Point of Connection (POC) in the majority of circumstances, as outlined in the table below.

At this time, some market segments have been excluded due to the technical complexity and/or network constraints which result in a high incidence of interactive POCs having to be managed. We will work with ICPs to develop processes to open these market segments in the future.

Relevant Market Segment	Self-approval of designs available (Yes/No)	Comments
LV Demand	Yes*	Subject to restrictions
HV Demand	Yes*	Subject to restrictions
HV / EHV Demand	Na	Currently due to technical nature, complexity of designs and significant impact on network.
EHV/132kV Demand	No	Currently due to technical nature, complexity of designs and significant impact on network.
DG LV	Yes*	Subject to restrictions
DG HV / EHV	Na	Impacted by a high level of interactivity
UMS LA	Yes	
UMS Other	Yes	
UMS PFI	Yes	

\*Subject to the following restrictions:

- · Where the requirement for reinforcement is identified
- · There exists interactivity with other quotations

Please see our process document ESOD-02-021 Guidance for Self-Determination of Point of Connection and Self-Design Approval for Independent Connection Providers 3.

The self-determined process in full can be seen on the high level process map 🖨

There is a probationary period to be able to complete the self-determination which is detailed in the above document and in the table of qualifying criteria below

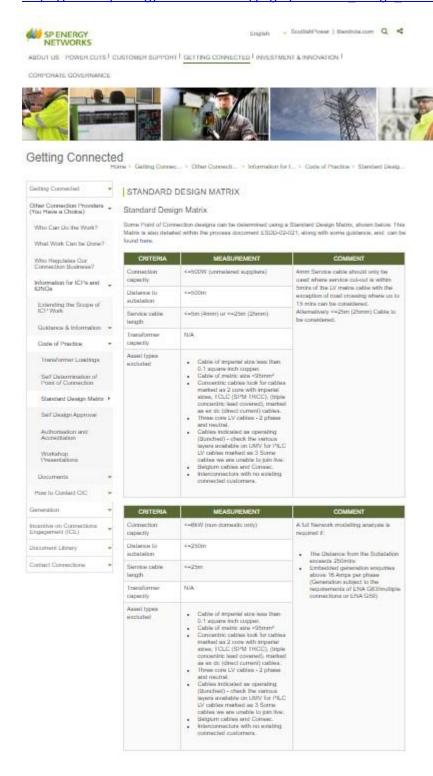
#### Self Determine POC Qualifying Criteria

	Criteria
1	Complete a briefing with SPEN and enter into a probationary period for each RMS category - complete 5 projects in parallel (normal costs apply) and if no issues move to level 2
2	ICP fully able to self-determine POC

Please see our Standard Design Matrix which supports the guidance provided within ESDD-02-021.

## vii) Standard Design Matrix

## https://www.spenergynetworks.co.uk/pages/standard\_design\_matrix.aspx



CRITERIA	MEASUREMENT	COMMENT	
Connection capacity	Up to 4 Domestic (<=2kW ADMD each)	Existing 5kVA pole mounted transformers will not provide sufficient	
Distance to substation	<=250m	capacity to cater for additional connections.	
Service cable length	<=25m	A Full Nerwork modelling analysis is required if:	
Transformer capacity	N/A for ground mounted substation. System checks required for PTE (Pole Mounted Transformers)	The Distance from the Substation enceeds 250mins     Embedded generation encuiries	
Asset types excluded	Cable of imperial stole less then 0.1 separe inch copper. Cable of melific site *95mm² Concentrate cable of lock for cables marked as 2 core with imperial sizes, FLC4 (SIM FINCE), forple concustric lessed covered), marked as as of climatic carried pathses and neutral. Three core LV cables - 2 phases and neutral. Cables indicated as operating (Bunched) - shock the various layers available on UMV for PLC LV cables mediated on S Some cables we are unable to join live: Belgium cables and Consecution of the cables we are unable to join live: Belgium cables and Consecuting connected customars.	above 16 Amps per phase (Generation subject to the requirements of LNA GSS/multiple connections or ENA GS9)	

CRITERIA	MEASUREMENT	COMMENT	
Connection capacity	Single Connection <=89kW	Existing 5kVA pole mounted transformers will not provide sufficient	
Distance to substation	<=200m	capacity to cater for additional connections.	
Service cable length	<=10mins (No Study required), >10 <=25m (Study required)	A Full Network modelling analysis is required if:	
Transformer capacity	System checks required for PTE (Pole Mounted Transformers) and ground mounted substations	The maximum length of any service Cable enceeds 10mins. Note no services to enceed 25min.	
Assat lypes excluded	Cabrie of impartal store less them 0.1 separe inch copper. Cathie of melific store *95mm² Concentric cathies look for cathies marked as 2 cone with imperial store, *LCLC (SHM *1HCC), turple concentric less discovered), marked as ex de (direct corrent) cathies. Three core LV cabries - 2 phases and neutral. Cathies indicated as operating ((bunches) - check the various layers evealable on UMV for PLC LV cathies marked as 3 Sorne cables we are unable to join live: Beigtorn cathies and Consec. Infrarconnectors with no satching connected customers.	service Cable exceeds 10mtrs.	

## viii) <u>Transformer Loadings</u>

## https://www.spenergynetworks.co.uk/pages/transformer\_loadings.aspx



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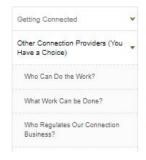






# **Getting Connected**

Home > Getting Connected > Other Connection Provid... > Information for ICPs and I... > Code of Practice > Transformer Loadings



## TRANSFORMER LOADINGS

To facilitate the self-determination of POCs information of transformer loading is required which is detailed below. Document ESDD-02-021 details the process for self-determination (reference Section 11).

Please see below the Zip files for SPM and SPD and the associated instructions for use:

Click here for instructions 🗹

## ix) <u>Documents</u>

## https://www.spenergynetworks.co.uk/pages/competition in connections documents.aspx



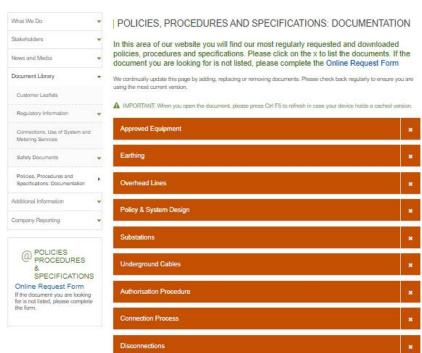
## **Getting Connected**





## https://www.spenergynetworks.co.uk/pages/documents.aspx





## x) Self-Design Approval

## https://www.spenergynetworks.co.uk/pages/self\_design\_approval.aspx



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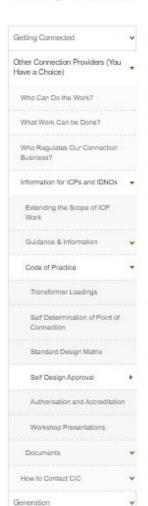






# Getting Connected

Home > Getting Connected > Other Connection Provid... > Information for ICPs and I... > Code of Practice > Self Design Approvi



Incentive on Connections Engagement (ICE)

Document Library

Contact Connections

## SELF DESIGN APPROVAL

Independent Connection Providers (ICPs) shall be able to complete self-design approval in the majority of circumstances, as outlined in the table below.

At this time, some market segments have been excluded due to the technical complicity and/or network constraints. We will work with ICPs to develop processes to open these market segments in the future.

Relevant Market Segment	Self-approval of deelgns available (Yee/No)	Comments
LV demand	Yes*	Subject to restrictions
HV demand	Yes*	Subject to restrictions
HMEHV demand	No	Currently due to technical nature, complexity of designs and significant impact on network.
EHW132kV demand	No	Currently due to technical nature, complexity of designs and significant impact on network.
DG LV	Yes*	Subject to restrictions
DG HV/EHV	No	Currently due to technical nature, complexity of designs and significant impact on network.
UMSILA	Yes	
UMS Other	Yes	
UMS PFI	Yes	

#### \* Subject to the following restrictions:

- Where Contestable design requires incorporation of a constraint and monitoring scheme
- Diversion of Existing Assets (affecting existing Substation assets)

Please see our process document ESDD-02-021 Guidance for Self-Determination of Point of Connection and Self-Design Approval for Independent Connection Providers (3. There is a probationary period to be able to complete the self-design approval which is detailed in the above document and in the table of qualifying criterial below.

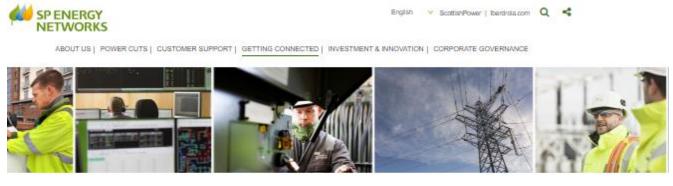
The self-determined process in full can be seen on the high level process map. (2)

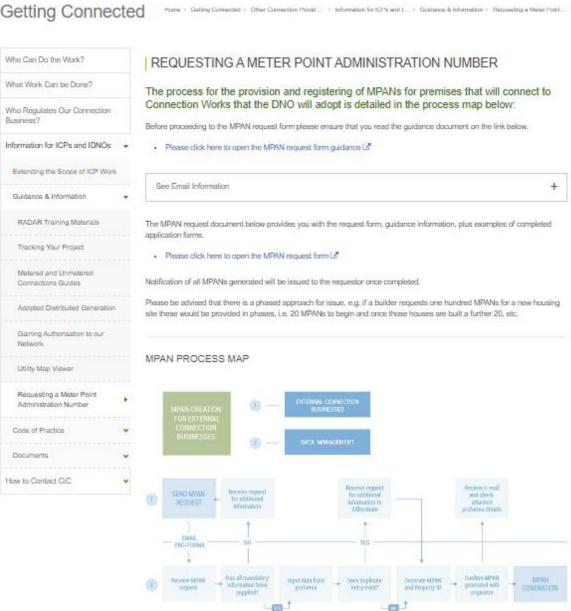
## Self-Design Approval Qualifying Criteria

Level	Criteria
1	Complete a briefing with SPEN and enter into a probationary period for each RMS category - complete 5 projects in parallel (normal costs apply) and if no issues move to level 2.
2	ICP fully able to self-approve contestable designs

## xi) Requesting a Meter Point Administration Number

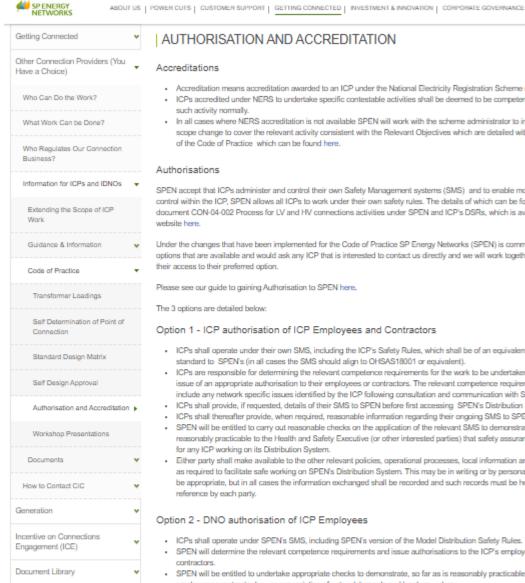
## https://www.spenergynetworks.co.uk/pages/mpan request.aspx





#### Authorisation and Accreditation xii)

## https://www.spenergynetworks.co.uk/pages/authorisation\_and\_accreditation.aspx



Contact Connections

#### I AUTHORISATION AND ACCREDITATION

#### Accreditations

- Accreditation means accreditation awarded to an ICP under the National Electricity Registration Scheme (NERS).
- · ICPs accredited under NERS to undertake specific contestable activities shall be deemed to be competent to undertake such activity normally.
- In all cases where NERS accreditation is not available SPEN will work with the scheme administrator to implement a scope change to cover the relevant activity consistent with the Relevant Objectives which are detailed within Section 2.3 of the Code of Practice which can be found here.

#### Authorisations

SPEN accept that ICPs administer and control their own Safety Management systems (SMS) and to enable more flexibility and control within the ICP, SPEN allows all ICPs to work under their own safety rules. The details of which can be found within document CON-04-002 Process for LV and HV connections activities under SPEN and ICP's DSRs, which is available on our website here.

Under the changes that have been implemented for the Code of Practice SP Energy Networks (SPEN) is committing to the 3 options that are available and would ask any ICP that is interested to contact us directly and we will work together to enable

Please see our guide to gaining Authorisation to SPEN here.

The 3 options are detailed below:

#### Option 1 - ICP authorisation of ICP Employees and Contractors

- . ICPs shall operate under their own SMS, including the ICP's Safety Rules, which shall be of an equivalent relevant standard to SPEN's (in all cases the SMS should align to OHSAS18001 or equivalent).
- . ICPs are responsible for determining the relevant competence requirements for the work to be undertaken and for the issue of an appropriate authorisation to their employees or contractors. The relevant competence requirements shall include any network specific issues identified by the ICP following consultation and communication with SPEN.
- . ICPs shall provide, if requested, details of their SMS to SPEN before first accessing. SPEN's Distribution Systematics of their SMS to SPEN before first accessing.
- ICPs shall thereafter provide, when required, reasonable information regarding their ongoing SMS to SPEN.
- · SPEN will be entitled to carry out reasonable checks on the application of the relevant SMS to demonstrate so far as reasonably practicable to the Health and Safety Executive (or other interested parties) that safety assurance is in place for any ICP working on its Distribution System.
- · Either party shall make available to the other relevant policies, operational processes, local information and procedures as required to facilitate safe working on SPEN's Distribution System. This may be in writing or by personal briefing as may be appropriate, but in all cases the information exchanged shall be recorded and such records must be held for future reference by each party.

#### Option 2 - DNO authorisation of ICP Employees

- . ICPs shall operate under SPEN's SMS, including SPEN's version of the Model Distribution Safety Rules.
- · SPEN will determine the relevant competence requirements and issue authorisations to the ICP's employees or contractors.
- · SPEN will be entitled to undertake appropriate checks to demonstrate, so far as is reasonably practicable, that the ICP's employee or contractor has an appreciation of network hazards and local procedures.
- SPEN shall take account of authorisations issued by other DNOs in order to minimise circumstances where repeat authorisation assessments are required for work on different DNOs' Distribution Systems
- The charges to get authorised must be cost-reflective and opportunities to be authorised must be available on a sufficiently frequent basis.
- · Each party shall make available to the other the relevant policies, operational processes, local information and procedures as required to facilitate safe working on SPEN's Distribution System. This may be in writing or by person briefing as may be appropriate, but in all cases the information exchanged shall be recorded and such records must be held for future reference by each party.

#### Option 3 - Transfer of Control

- · SPEN shall transfer control of a specified part of its Distribution System for the purposes of the ICP's activity.
- . The ICP shall have full control of the specified part of SPEN's Distribution System and shall carry out the work in accordance with its own SMS, including its Safety Rules.
- Each party shall make available to the other the relevant policies, operational processes, local information and procedures as required to facilitate safe working on SPEN's Distribution System. This may be in writing or by pers briefing as may be appropriate, but in all cases the information exchanged shall be recorded and such records must be held for future reference by each party.

## https://www.spenergynetworks.co.uk/pages/land rights consents.aspx





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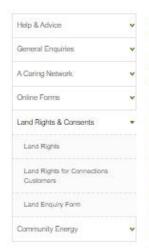






# **Customer Support**

Home + Customer Support > Lend Hights & Consents



## LAND RIGHTS & CONSENTS

In order to install, maintain and operate overhead lines, underground cables and substations, we require the use of land occupied by many individuals (known as Grantors).



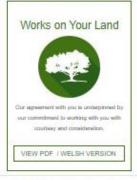
The right of access to the land is granted through a Land Right which can be a personal agreement between ourselves and the Grantor (wayleave) or a permant right to the land (servitude/easement).

If you are already a Grantor or you want to know more about Land Rights and Consents please contact us via our Land Enquiry. Form or by using the links below.













By continuing to use this ride, you are agreeing to conuse of cookies. If you do not went to see this message again, click continue

## https://www.spenergynetworks.co.uk/pages/land rights for connections customers.aspx



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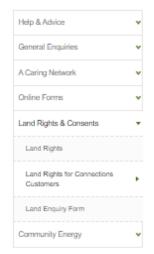






## **Customer Support**

Home > Customer Support > Land Rights & Consents > Land Rights for Con-



#### LAND RIGHTS FOR CONNECTIONS CUSTOMERS

To get you connected to our network, we often need to secure appropriate land rights in order to locate our equipment or cables on your land or a third parties land.

Our stakeholder feedback of the Land Rights process is improving and we are continuing to implement initiatives to enhance the customer experience, please take a look at our latest stakeholder update



Land Rights Stakeholder Update June 2019

The term land rights is used as a collective term to cover the acquisition of property rights, such as freehold and leasehold interests, a lease or purchase or servitudes, easements or wayleaves, that SP Energy Networks will require to be in place before we can make a connection for you to our network. In order to ensure the works are undertaken in a lawful manner we may also require 'statutory planning' consents such as a section 37 consent to install an overhead line or a planning consent to construct a substation. Other environmental consents, licences or permits may also be required for work in or around certain sensitive ecological habitats or species, water bodies or cultural heritage sites, some of which may have significant statutory protection.

We would ask you to take the following key factors into consideration when planning your project:

- · We require the consent of the land owner prior to beginning any works
- The timescales associated with obtaining third party agreement may affect your project's delivery
- · We do not seek such consents until you have accepted our quotation
- · The price on our quotation is given subject to all consents being agreed
- · Where consents are refused a new design and quotation will be required
- · We cannot undertake any works on third party land until all consents have been agreed

More information is available in our Land Rights for Connections Customers guidance document which contains information on our process and requirements.

Land Rights for Connection Customers

To further assist, we have provided the associated lease and servitude templates which may be required as part of your connection. See the links to these below:

- Windfarm Lease ☑
- Substation Lease (Whole Substation Building)
- Standard Servitude (Overhead and Underground)
- Standard Deed of Grant (easement) (Underground and Overhead) 3
- Windfarm Servitude ☑

#### Incorporated Rights (SP Manweb)

Where an IDNO is installing a new electricity connection, they will retain ownership of the network and therefore have their own land rights with the landowner. In order to better facilitate the land rights required for the IDNO's network to connect into SP Manweb's network, we can incorporate SPM's rights required into the agreement between the IDNO and the landowner. This allows the IDNO to secure SPM's land rights directly with the landowner. Please see our Incorporated Rights customer process map for more detail and contact waylear essouth@spenergynetworks.co.uk for enquiries



How long will it take to obtain the Land Rights and Other Consents?

The time to achieve Land Rights and other necessary Consents will be depending upon the individual circumstances and the ability to reach agreements with the various parties involved. Timescales for the successful negotiations vary greatly but we will try to complete these as efficiently as possible to meet overall project timescales.

Any Statutory or Environmental Consent needed will be, where possible, progressed in parallel to the Land Rights. The timescales for these are in the main out with our control and will also depend on the specifics of the works and the third parties we will have to engage with.

Based on our past experience and the functional processes of both obtaining Land Rights and Statutory Consents we have developed a range of indicative lead times. These lead times factor in such elements set out above and are primarily dependent on the type of Land Right being sought. For example Wayleaves or Servitudes/ Easements and if any, what Statutory or other Consents are required.

Other factors may include where a third party Land Right is required from an organisation. These organisations could be a local Authority or a Rail Operator who may have set processes and timescales to deal with specific matters.

- A simple underground connection on your land may take approximately 5 weeks from the point of the Land Team having
  all the necessary information. We may seek a Way leave for this. Should you not own the land you are wanting the
  underground connection for may take as long as 10 weeks. If the land is owned by an Infrastructure Operator or Local
  Authority the timescale can be extended to 10 weeks.
- Where permission is required from third party Landowners the timescale can be any time between 18 and 22 weeks.
   Third party Landowners can be including an Infrastructure Owner or Local Authority. This timescale also applies in a case where Licence and Permits are required in relation to an environmental site.
- An overhead line that is less that 33kV required involving third party Landowners and is requiring a section 37 Consent with an environmental Licence or Permit, it can take up to 20 weeks.
- A more complex connection requiring an overhead line of a significant length, involves a variety of third party Landowners
  and requires section 37 Consents with sensitive environmental aspects, it may take up to 50 weeks for the consents to
  be granted.

The Project Manager appointed to your connection will keep you fully informed about progressing towards gaining any consents.

FIND OUT MORE ABOUT GETTING CONNECTED

## Land Rights - <a href="https://www.spenergynetworks.co.uk/pages/land-rights.aspx">https://www.spenergynetworks.co.uk/pages/land-rights.aspx</a>



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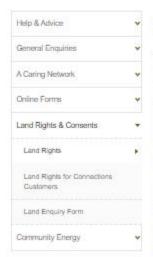








# **Customer Support**



## LAND RIGHTS

The right of access to the land is granted through a Land Right which can be a personal agreement between ourselves and the Grantor (wayleave) or a permanent right to the land (servitude/easement).



The different types of Land Right obtained by SP Energy Networks are:

	LAND RIGHT'S FOR OVERHEAD LINES AND UNDERGROUND CABLE
WAYLEAVE AGREEMENT	A Personal Agreement between SPD/SPM and the individual/company granting the right. Used to gain consent for Overhead Line and Underground Cable Apparatus. An annual payment or one off payment is usually paid to the grantor as long as they are not the sole beneficiary of the apparatus. Payment Rate is reviewed annually. Wayleaves are not registered against the land therefore if the land is subsequently sold the right will not automatically transfer to the new owner.
SERVITUDE/ EA SEMENT	Provides greater security than a Wayleave Agreement.  Executed as a Deed therefore it is registered against the property on HM Land Registry and is permanently affixed to the land.  A ServidudeEasement forms a contract between SPD/SPM and the landowner and will include a right of access for inspection, maintenance and future operations.  ServitudeEasements are processed through solicitors and this reflects the greater security of tenure afforded to us and also the timescales involved.
FREEHOLD TRANSFER (SALE)	SPD/SPM would prefer a freehold interest in the land where a Sub-Station is to be built for a major project, for example a Housing Development. The land would then be owned by SPD/SPM and the Title would be registered at HM Land Registry. The transfer would also include associated rights of access and appropriate for underground cables etc.

LEASE	SPD/SPM would be prepared to enter into a lease for a Sub-Station site for commercial/industrial developments. The landowner would grant us the right to occupy their land/building over a mutually agreed time period. The lease will include rights for access to the sub-station 24/7, together with the rights for underground cable and associated apparatus.
-------	--

#### What If a voluntary agreement cannot be reached?

In some cases a voluntary agreement will not be reached and we may require to rely on our statutory powers to compulsorily secure the relevant land rights. In such circumstances where agreement cannot be reached and no alternative design solution exists. Prior to entering into the use of statutory powers, the circumstances and how to proceed should be reviewed by the SPEN Project Manager, Land Offer and the customer. The costs relating to the use of statutory powers will be in addition to your connection costs.

COMPUL SORY PURCHASE	We can acquire ownership of, rights in, and rights to, land by way of the compulsory acquisition process set down under schedule 3 of the Electricity At 1989 (as amended).
	A "start to finish" compulsory acquisition can take between 9 months to 3 years. As such, the process is only effective in projects where there are sufficiently defined timescales. Furthermore, a compulsory purchase order can only be proposed where there is a sufficient "needs case" justification for doing so.
NECESSARY WAYLEAVE	We can acquire a necessary wayleave for overhead line and cable apparatus under Schedule 4 of the Electricity Act. A necessary wayleave offers more protection than a voluntary wayleave in that it binds the land covered by the necessary wayleave for a stated term and does not fall as a result of a change of owner. The process can take between 6-12 months.

#### Other types of consents

As well as land rights, other consents may be required as part of your connection. These may relate to:

- · Statutory planning consents for the construction of an overhead line or substation.
- · Other environmental consents, licences or permits which may be required for:
- · Work in or around water bodies;
- Work in or around certain sensitive ecological habitats or species, some of which may have significant statutory protection.
- . Work in or around buildings and sites of historic importance
- In cases where such 'sensitives sites' are encountered these may trigger the need for particular environmental evaluation or the need for full Environmental Impact Assessment (EIA).

The requirement for such consents is obviously dependent on the development type and its location and as such requires to be considered on a case by case basis. Different types of consents will have different programme implications.

These consents will require various levels of engagement with statutory authorities and interested parties.

SECTION 37 CONSENT	The Electricity Act contains certain provisions for planning relating to the construction or alteration of overhead lines. Consent relating to 33kV overhead lines and below are required under section 37 of the Act.  Section 37 consent is granted by the Scottish Ministers in Scottand and the Secretary of State in England and Wales. Whilst applications are made to The Scottish Government / DECC, these consents requires consultation with the relevant local authorities and other statutory bodies. The Secretary of State Scottish Ministers may take in to account the number of land rights that have
	been granted prior to the granting of the section 37 consent.  The Land Officer appointed to your connection will keep you fully informed as to any consent that may be required to construct the connection.
PLANNING CONSENT BY A CUSTOMER	If a substation is required as part of the customer's connection arrangements, typically for development such as housing or commercial, we expect you to obtain planning permission for the new substation. Before a lease or transfer for a new substation site can be concluded, you must provide evidence to our solicitor that planning permission has been obtained for the new substation.



Our Land Rights and Works on Your Land documents can be viewed by selecting the links below.

- Land Code of Conduct
- Land Code of Conduct (Welsh) ☑
- Works on Your Land ☑

If you are already a Grantor or you want to know more about Land Rights and Consents please contact us via our Land Enquiry Form or by using the contact details below:

CENTRAL & SOUTHERN SCOTLAND	CHESHIRE, MERSEYSIDE, N. WALES & N.SHROPSHIRE	
Telephone:	Telephone:	
0845 301 0014	0845 030 3053	
CONTACT US VIA EMAIL:		
Wayleaves North	Wayleaves South	
WRITE	TO US:	
Wayleaves	Wayleaves	
SP Energy Networks	SP Energy Networks	
55 Fullerton Drive	Wrexham Road	
Cambuslang Glasgow	Pentre Bychan Wrexham	
G32 8FA	LL14 4DU	

#### Customer Process -

## https://www.spenergynetworks.co.uk/pages/customer process new connection.aspx



## CUSTOMER PROCESS: NEW CONNECTION

This page features animated content. View a text only version of the New Connection Process.



Not sure what connection type you require? We can guide you through the process.

1

Find out more about SP Energy Networks Connections with our selection of information e-leaflets and videos.



Do you need to move your electricity meter? Find out how SP Energy Networks can help you. We are here to support you. Click here to find out how to contact us.



## xiv) Connection Agreements

## https://www.spenergynetworks.co.uk/pages/connection\_agreements.aspx



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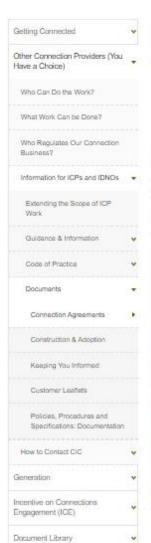






# **Getting Connected**

Home | Galling Connected | Other Connection Printed | Information for ICPs and L. | Documents | Connection Agreement



Contact Connections

## CONNECTION AGREEMENTS

Prior to the completion/energisation of a new connection :

- . The appropriate Bespoke/Bilateral Connection Agreement MUST BE COMPLETED and SIGNED by both parties
- Any works required to reinforce an existing connection or SPD/SPM agreeing to modify existing connection terms i.e. increasing/reducing a customer's maximum capacity, the appropriate Bespoke/Bilateral Connection Agreement MUST BE MODIFIED and that Modification SIGNED by both parties

Under no circumstance should a new or reinforced connection be energised or modified connection terms agreed without there being a signed and up-to-date Bespoke/Bilateral Connection Agreement in place.

A BESPOKE CONNECTION AGREEMENT is required for any connection metered at HV or above, or any site that has generation installed.

Each IDNO connection will require an appropriate Bilateral Connection Agreement to be put in place.

Please find below a list of the connection templates and the link for each for SPD and SPM.

Constitution to the Constitution of Taxable	Link	
Connection Agreemment Template	SPM	SPD
Bespoke Connection Agreement Template - LV Generation(GS9)	COM-20-010@	COM-20-001 (3*
Bespoke Connection Agreement Template - 11kV and above. No Generation	COM-20-011 L3*	COM-20-002 (2*
Bespoke Connection Agreement Template - 11kV and above. Generation No Export	COM-20-01213*	COM-20-003 (2*
Bespoke Connection Agreement Template - 11kV and above. Generation Export	COM-20-013@*	COM-20-00413
Bilateral Connection Agreement Template - LV Standard (230V/400V)	COM-20-014 🗗	COM-20-005@
Bilateral Connection Agreement Template - HV Standard (11kV) SPD	COM-20-015 🗗	COM-20-006 €
Bilateral Connection Agreement Template - HV Close Coupled (11kV)	COM-20-01612*	COM-20-007 (2*
Bilateral Connection Agreement Template - LV Link Box (230V/400V)	COM-20-017 🗗	COM-20-008 🗗
Bilateral Connection Agreement Template - LV NO Link Box (230V/400V)	COM-20-02013*	COM-20-01913*
Bilateral Connection Agreement Template - EHV (33kV)	COM-20-018€2*	COM-20-009 (2*

To provide you with some assistance in the completion of these forms please click here 🗷 for an example of a completed Bilateral Connection Agreement (COM-20-015).

#### **Construction and Adoption Agreements** xv)

## https://www.spenergynetworks.co.uk/pages/construction adoption agreements.aspx

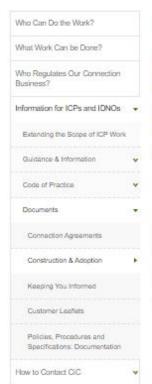


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# Getting Connected



## CONSTRUCTION & ADOPTION

#### New & Modified Connections

If you have appointed an accredited Independent Connection Provider (ICP) to undertake some or all contestable works, they are required to work in accordance with the terms and conditions of our Construction and Adoption Agreement.

The Construction and Adoption Agreement can either be bilateral between you and us or us and your appointed ICP, or on a tripertite. It sets out the terms and conditions under which we will agree to adopt the assets installed. Once adopted, they will become part of our network following satisfactory inspection and testing.

#### Agreements

- SP Distribution (SPD) Bilateral Adoption Agreement
- SP Distribution (SPD) Tripartite Adoption Agreement L<sup>®</sup>
  - SP Manweb (SPM) Bilateral Adoption Agreement 27
- SP Manweb (SPM) Tripartite Adoption Agreement (2)

Framework agreements are also available for those organisations who complete a significant volume of projects within our network area. This provides the option of initially signing an over-arching agreement and then only completing a site specific schedule for each project.

If you are interested in this option please contact the relevant Account Manager who will be able to assist, details of which can

#### Terms & Conditions

- SPD General Bilateral Terms & Conditions for Adoption of Contestable Works L<sup>2</sup>
- SPD General Tripartite Terms & Conditions for Adoption of Contestable Works L₹
- SPM General Bilateral Terms & Conditions for Adoption of Contestable Works 3
- SPM General Tripartite Terms & Conditions for Adoption of Contestable Works 
   \[
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   \]

### Street Lighting & Street Furniture

For any assets installed in relation to street furniture or street lighting, you — or in the case of street lighting — a street lighting authority, can appoint an accredited ICP to undertake the work.

The appointed ICP will be required to carry out the works in accordance with the terms and conditions of our Construction & Adoption Agreement. The agreement will be between you, us and your appointed ICP.

The terms upon which we will adopt the new assets are set out within the agreement and, once the assets have been adopted. will be operated and maintained by us.

#### Agreements

- SP Distribution Street Lighting & Street Furniture C&AAC
- SP Manweb Street Lighting & Street Furniture C&AAL

#### Terms & Conditions

- SP Distribution General Conditions for Street Furniture ☑
- SP Manweb General Conditions for Street Furniture

## xvi) Escalation Process

## https://www.spenergynetworks.co.uk/pages/escalation\_process.aspx



# Getting Connected





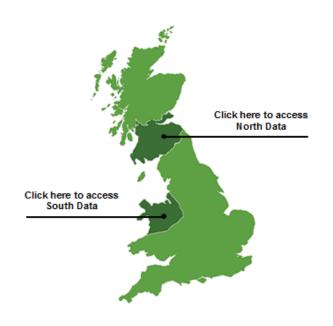
Please note if you have followed the process above and are not happy with the resolution and want to make a complaint, then you should follow our complaints procedure.

# Appendix 2 – UMV and Transformer Loading Database screenshots

# i) <u>UMV/GND/Power On Portal Screen</u>



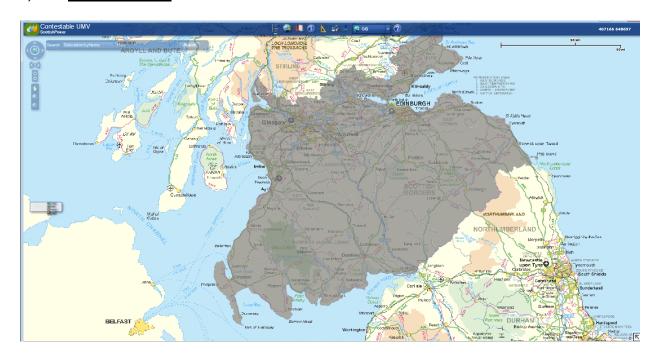
# SP Energy Networks Map Viewer - Contestable



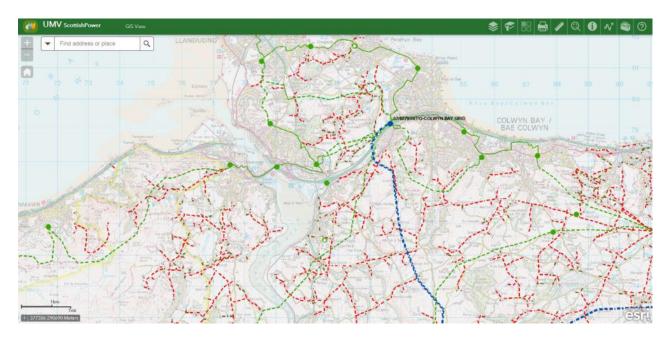
Powered By



## ii) <u>UMV Mini Scale</u>



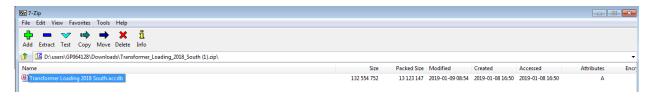
# iii) <u>UMV Landranger</u>

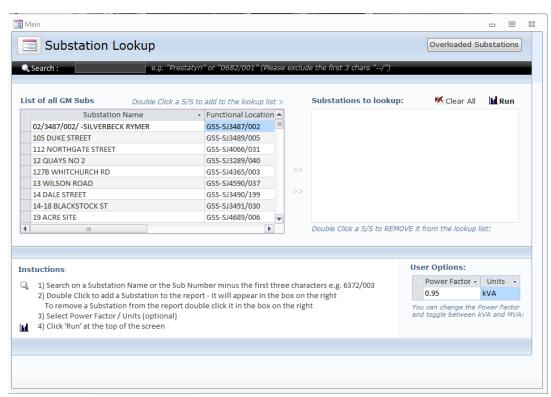


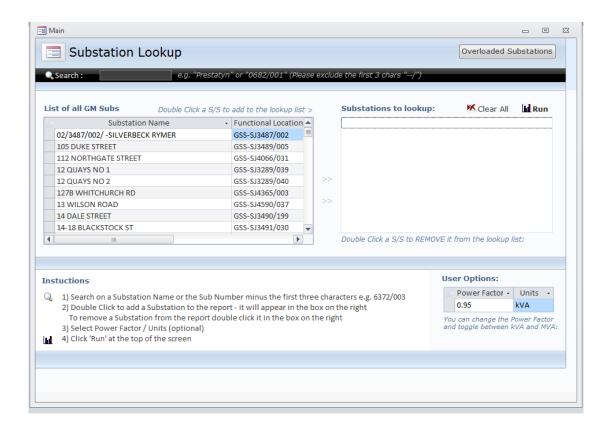
# iv) <u>UMV Master Map</u>



## v) Transformer Loading Database Portal screen







# vi) <u>Transformer Loading Database example screen</u>

Substation Name							Functional Location		Tx Rating
WITTON							GSS-SJ6674/005		500
Date	Red (A)	Yell (A)	Blue (A)	Total (A)		Total kVA	Total kW	kVAr	% Loading
01/03/2017	800	700	600	2100		483	459	150	97
05/04/2016	800	650	650	2100		483	459	150	97
21/05/2015	800	550	650	2000		460	437	144	92
19/06/2014	750	600	700	2050		472	448	149	94
21/02/2013	800	550	700	2050		472	448	149	94
20/03/2012	800	600	700	2100		483	459	150	97
28/02/2011	800	740	740	2280		524	498	163	105
17/06/2010	800	700	700	2200		506	481	157	101
11/12/2009	700	600	600	1900		437	415	137	87
30/07/2008	780	620	580	1980		455	432	143	91
20/02/2008	800	660	700	2160		497	472	156	99
15/02/2007	700	600	800	2100		483	459	150	97
07/10/2005	760	620	780	2160		497	472	156	99

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