

The Consumer Consent Service

Glossary

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Introduction:

This Glossary is provided to support readers' understanding of the terms and acronyms used throughout the Consumer Consent Service (CCS) information and documentation. It includes concise explanations of key CCS concepts and terminology. Where a term is formally defined within the REC, the authoritative definition is set out in the CCS Arrangements Schedule, Service Definition, or other applicable REC documentation. Readers should refer to those documents where a complete or legally binding definition is required.

Acronym	Term	Definition
	Access Token	The token issued by the CCS, containing information relating to the Permission granted by the relevant Energy Data Subject, and used by an Authorised Third Party to request data from an Energy Data Holder in accordance with the CCS Arrangements Schedule
ATP	Authorised Third Party	Authorised Third Parties are entities that have been (and remain) accredited under the CCS Arrangements Schedule to access and use customer data (subject to obtaining the permission of the customer) to provide innovative products and services that save customers time and/or money. ATPs and Energy Data Holders will be CCS Users.
BSC	Balancing and Settlement Code	A multi-party legal and regulatory framework that defines the rules and governance for the balancing mechanism and imbalance settlement processes for electricity in Great Britain.
CSS	Central Switching Service	A service that enables faster, more reliable switching of energy suppliers for consumers. The service comprises an Address Management Service to support the accurate definition of consumer addresses and a Registration Service to support the change of energy supplier registration.
	Consultation	The process of seeking feedback and input from stakeholders.
	Consent (Data Protection Consent)	Consent for the purposes of Data Protection Legislation, including UK GDPR, is one of the lawful bases that may be available for the processing of personal data. It is distinct from a Permission granted through the CCS. Where consent is the appropriate lawful basis and an Energy Data Permission is also required, the Permission and associated information recorded through the CCS may be used as evidence of that consent, provided the applicable requirements for valid consent are met.

	CCS Arrangements	The arrangements described in the CCS Arrangements Schedule to facilitate the management of Permissions.
	CCS Governance Framework	The rules that underpin the operation of the Trust Framework, including funding, change control, assurance, and access management.
	CCS Provider	The organisation procured by RECCo to deliver the Consumer Consent Service. At the time of publication, the CCS Provider is <i>Raidiam</i> .
CCS	Consumer Consent Service	The service (previously referenced as 'solution') provided in accordance with the CCS Arrangements Schedule and the CCS Service Definition, facilitating the management of permissions for the secure sharing of appropriate data between CCS Users.
	CCS RMP Matching	The method used by the CCS to match a verified address to one or more Registrable Measurement Points, as set out in the CCS Arrangements Schedule.
	CCS User	A person that has Qualified (and remains Qualified) as an Authorised Third Party and/or an Energy Data Holder.
	Consumer Consent Trust Framework	The framework of rules, roles, standards and assurance arrangements supporting trusted participation in the CCS and the secure, Permission-based sharing of Energy Data.
CCWG	Consumer Consent Working Groups	Working groups set up with Ofgem, Recco, and industry participants to discuss the Consumer Consent Solution and gain feedback on key decisions, plans, and design.
CEG	Consumer Experience Guidelines	A Category 3 Product that sets out the CCS Permission journeys and associated user experience guidance, including the standards and expectations for consumer interactions.
	Cyber Essentials Plus	A cyber security certification that provides independent assurance that an organisation has implemented effective technical controls to protect against common cyber threats, based on a hands-on assessment of systems and processes.
DUAA	Data (Use & Access) Act 2025	Wide-ranging legislation designed to modernise and regulate access to customer and business data across the UK economy.
DCC	Data Communications Company	Manages the smart meter communications infrastructure that supports Smart Meters.

	Data Item	The most granular level of data defining a specific attribute in respect of a data type, the permissible values for which are defined and controlled in the Data Item Catalogue.
DIP	Data Integration Platform	The system, defined within the Balancing and Settlement Code, used to support event driven communication between electricity market participants.
	Data Product	A structured reusable package of data that serves a specific purpose or value for users.
	Data Sharing	The practice of making data available to other parties for analysis or operational use.
DSA	Data Sharing Arrangement	An agreement between two or more parties that outlines the terms, conditions, and procedures for the exchange of data, including the type of data to be shared and the purposes for which the data will be used.
DSI	Data Sharing Infrastructure	The technical and governance systems that enable secure, standardised, and permissioned exchange of energy data between different parties.
DESNZ	Department for Energy Security and Net Zero	A UK government department responsible for UK energy security, protecting billpayers, and reaching net zero.
DNO	Distribution Network Operator	Licensed companies that own and operate the network that distributes electricity to homes and businesses in Great Britain.
	Elexon	A company overseeing the strategic operation and day-to-day management of the Balancing and Settlement Code.
	Energy Data	Account Specific Tariff Data, Metered Data, or any other data specified as being in scope of a Data Product approved for inclusion in the CCS in accordance with the CCS Arrangements Schedule.
EDH	Energy Data Holder	Energy Data Holders are entities that have been (and remain) accredited under the CCS Arrangements Schedule to hold and / or to process energy data. EDHs and Authorised Third Parties will be CCS Users. EDHs were previously referred to as Energy Data Providers (EDPs).
	Energy Data Schema	A defined structure, format, and meaning of energy-related data items to support consistent data sharing, interpretation, and interoperability between organisations and systems.

	Energy Data Subject	The individual to whom the relevant energy data relates, being: - the Account Holder, in relation to Account Specific Tariff Information; or - the Occupant, in relation to Metered Data.
EMDS	Energy Market Data Specification	Defines the market messages and associated data items that are sent between energy market participants, it contains a catalogue of all messages and data items governed under a number of energy industry codes.
	Energy Supplier	A company licensed by Ofgem to sell gas and/or electricity to consumers.
FAPI	Financial-grade API	An open security standard that defines enhanced authentication and authorisation requirements for APIs, designed to protect sensitive data and support secure, trusted data sharing.
FMAR	Flexibility Market Asset Register	A centralised register of flexible energy assets such as batteries, electric vehicles, demand-side response (DSR) sites, or smart appliances, which can provide flexibility services to the electricity grid.
	Functional Prototype	A working version of the technical solution that shows the core functionality and flow but isn't yet production ready.
	Gas Transporter	A licensed entity that conveys gas through pipes to any premises within an area authorised by the licence, or to another pipeline system operated by another gas transporter.
GDPR	General Data Protection Regulation	The UK's data protection law that governs how personal data is processed within the UK.
IDV	Identity Verification	A check performed to confirm an individual is who they claim to be, as set out in the CCS Arrangements Schedule.
	ID Token	Token issued in accordance with the CCS API Technical Specification that contains identity information relating to a verified Energy Data Subject.
	Industry Code Bodies	Organisations responsible for administering and supporting the day-to-day operation of the energy market codes.
ICO	Information Commissioner's Office	The UK's independent authority responsible for upholding information rights, including the regulation and enforcement of data protection and privacy legislation.

ISDP	Information Security and Data Protection	The information security and data protection requirements used to assess whether an organisation can participate in the CCS and handle Energy Data securely and responsibly in accordance with applicable governance and assurance requirements. Applicants will be required to complete an ISDP Assessment as part of their Qualification activities.
	Interoperability	The ability of different systems, platforms, or organisations to work together and exchange information effectively.
	ISO 27001	A management standard that defines how to run an Information Security Management System (ISMS) and protect sensitive information.
	ISO 27002	The guidelines for implementing controls within an ISO 27001 framework.
MHHS	Market-wide Half Hourly Settlement	An electricity, industry programme seeking to introduce half-hourly settlements for all UK metering points. It will implement a new Target Operating Model for the electricity market, where settlement is bought and reconciled on a half-hourly basis. This provides the capability to input defined half-hourly recorded energy for all metered points where remote retrieval is available, and to use new estimations (load-shapes) when not. Its introduction should increase the speed and volume of half-hourly data available, providing a richer picture of usage and timings. In turn, this should help enable a more flexible electricity system.
	Market Message	A structured electronic message used to exchange information between systems and market participants in accordance with an agreed specification.
MPAN	Meter Point Administration Number	A unique number that identifies the electricity metering point at a specific address in the UK. It's essential for managing energy switching, metering, and billing.
MPRN	Meter Point Reference Number	A unique identifier assigned to each gas supply point in Great Britain. It identifies the specific location where gas is delivered and is used to manage gas supply, billing, and switching.
MPxN	Meter Point X Number	The collective description of the MPAN and MPRN when used together.
	Metered Data	Data concerning the quantities of Energy supplied to (or Exported from) a Premises, as measured, collected, recorded and otherwise determined pursuant to this Code.

MMP	Minimum Marketable Product	The smallest version of working product that's complete enough to be marketed and distributed to deliver real value to consumers.
MVP	Minimum Viable Product	The version of a working product that includes just enough core features to be users by early adopters to gather feedback for future development.
mTLS	Mutual Transport Layer Security	A security mechanism in which both the client and server authenticate each other, creating a strongly verified and encrypted communication channel.
	Network Operator	Either an Electricity Distribution Network Operator (DNO) or a Gas Transporter.
	Occupant	Any person living at or otherwise occupying a Premises who utilises energy supplied to that Premises.
	OAuth 2.0	An open standard for access delegation commonly used for token-based authentication.
Ofgem	Office of Gas and Electricity Markets	The regulator for Great Britain's gas and electricity industries, overseen by the Gas and Electricity Markets Authority.
	Open Banking	A model referenced for Trust Frameworks and user experience.
	Optimisers	An individual, service, or technology platform that helps businesses or households reduce energy costs and improve energy efficiency, often by actively managing when, how, and from where energy is used.
	Permission	The entitlement granted by an Energy Data Subject to an Authorised Third Party to access and use specific Energy Data for one or more defined purposes, in accordance with the requirements of the applicable Energy Code, Energy Licence or other applicable governance arrangements. A Permission may be subject to conditions, including limitations relating to duration, scope or use.
	Permission Journeys	A step-by-step view of the experience the consumer will have when interacting with the Consumer Consent Trust Framework.
	Permission Purpose	A business purpose for which Permission is granted by an Energy Data Subject to permit an Authorised Third Party to access specified Energy Data.
	Permission Schema	The CCS-specific structure and validation rules applied to the authorisation details included in a CCS authorisation request. The

		Permission Schema defines and validates the request but is not itself the Permission or an Access Token.
PSR	Priority Services Register	The register held by Energy Suppliers and Distribution Network Operators (DNOs) to identify consumers who need priority support in an emergency.
POC	Proof of Concept	A demonstration that verifies certain concepts or theories have the potential for real-world application.
PAR	Pushed Authorization Request	A security mechanism that allows authorisation request details to be securely sent and validated before a Permission journey begins.
	Registered Tariff Interoperability User (RTI User)	A CCS User that is authorised to access tariff information under the Tariff Interoperability arrangements.
RMP	Registrable Measurement Point	A Supply Meter Point or Metering Point identified in the Central Switching Service.
REC	Retail Energy Code	A multi-party legal and regulatory framework that defines the rules and governance for operational process required to support the gas and electricity retail energy market in Great Britain.
RECCo	Retail Energy Code Company	The company established under Clause 5 of the Retail Energy Code (REC), responsible for strategic operation and day-to-day management of the REC.
	Refresh Token	Token issued by the CCS, containing information relating to the Permission granted by the relevant Energy Data Subject, and used to request additional Access Tokens within the overall lifetime of the Permission in accordance with the CCS Arrangements Schedule
SET	Security Event Token	Token issued by the CCS, or the TI Energy Supplier in the case of TI Event Notifications, to inform the recipient of an event, in accordance with the CCS Arrangements Schedule and TI Arrangements Schedule.
	Security Framework	The set of security requirements, controls, assurance arrangements and supporting processes applicable to CCS Users.
	SEC Other Users	An organisation authorised under the Smart Energy Code (SEC) to access the smart metering infrastructure, but is not a traditional energy supplier, network operator, or meter asset provider.
SSF	Shared Signals Framework	An industry-standard framework used to communicate security and status-related events between systems. Within CCS, SSF is used to

		notify authorised parties when the status of a Permission changes, such as when it is revoked or queried.
	Smart Data	The secure sharing of a customer's data, upon their request, with Authorised Third Parties.
SDR	Smart Data Repository	A data repository being developed by Elexon under the Balancing and Settlement Code (BSC) that will enable efficient and non-discriminatory access by third parties to half-hourly consumption data.
SEC	Smart Energy Code	A multi-party legal and regulatory framework that governs the operation, security, and access to the smart metering system in Great Britain. It ensures all parties interacting with smart meters do so in a consistent, secure, and interoperable way.
SSES	Smart Security Electricity System	A programme designed to create the technical and regulatory frameworks to enable the untapped flexibility from small scale devices, such as domestic electric vehicle charge points and heat pumps. It should contribute to electricity system decarbonisation in a way that protects consumers and the electricity system.
TI	Tariff Interoperability	The arrangements that facilitate the sharing of Tariff Pricing Data in accordance with the Tariff Interoperability Licence Condition.
TPI	Third Party Intermediary	A broker or introducer acting between consumers and energy suppliers, including price comparison websites.
	Tariff Pricing Data	(a) (for electricity supply) Charges for the Supply of Electricity (as defined in the Electricity Supply Licence), but excluding any charges for the provision of Metering Equipment; (b) (for the supply of gas) Charges for the Supply of Gas (as defined in the Gas Supply Licence), but excluding any charges for the provision of Metering Equipment; and (c) (for the purchase of electricity generation or export) Export Tariffs (as defined in the Tariff Interoperability Licence Condition).
	Token	A digital credential or piece of information used to securely represent identity, access rights, or verified attributes when sharing data or services between accredited parties. See individual Glossary definitions for • Access Token; • ID Token; • Refresh Token; and • Security Event Token

	Vulnerable Customers	A domestic customer who, due to their personal characteristics or circumstance, or otherwise being in a vulnerable situation, may require priority services or additional support. Context, personal characteristics, or circumstances include: (a) the domestic consumer being of pensionable age; or (b) the domestic consumer being chronically sick, or having an impairment, disability, long-term medical condition (including visual, auditory, literacy, or mobility impairment), or severe financial insecurity (such that they are unable to safeguard their personal welfare or the personal welfare of other members of the household).
	Webhook	An automated, event-driven mechanism that allows one system to send real-time data or notifications to another system via an HTTP(S) request.
	Xoserve	The central data service provider for Great Britain's gas market. Its central register holds information on all premises with a gas supply, helping to recognise which companies are responsible for gas entering and leaving the network.