

BACSTEL-IP

BACSTEL-IP Connectivity Methods – Data Sheet

BACSTEL-IP® offers the ability to submit payments and collect reports across five connection types: the Internet, Dial-up Extranet, Broadband Direct, DSL Connect and Fixed Extranet Connect.

Internet

Payment submission and report collection across the Internet is available to users who want to use their existing Internet infrastructure. Potentially, high access speeds are achievable, although connection quality will be dependent upon the number of other users accessing the BACS® service via the Internet at that time (e.g. for BACSTEL-IP submissions and/or report collections). This, and the fact that usage is via the World Wide Web, means that no connectivity, throughput or SLA guarantees can be provided.

Dial-up Extranet

The Dial-up Extranet is a private network that BACSTEL-IP users can dial-in to for submitting payments and/or collecting reports. Users access the Dial-up Extranet by dialing a national rate '0870' number using their own PSTN, ISDN or ISDN2 telecoms line. Once connected, submissions are transferred onto a managed environment that offers an availability SLA of 99.9% and a payment throughput speeds of up to 100kbps. The speed and type of connection, used to dial into the Dial-up Extranet, will ultimately determine the connectivity experience.

Broadband Direct

This is a new BACSTEL-IP submission method available to users who want a low cost B2B broadband connection for their BACSTEL-IP submissions and report collections. It provides users with a self-install contended ADSL broadband connection into our secure network. The service is aimed at users who want to benefit from moving to low cost broadband technology linked into our secure private network for their financial payments. It is particularly suitable for current dial up customers such as ISDN users because the connection is 'always on' and there are no call charges. For more information visit: www.voca.co.uk/connectivity

DSL Connect

This connection method is designed to provide submitters with un-contended 256kbps Digital Subscriber Line (DSL) connectivity, from their site(s) to Voca's closed user group, Virtual Private Network (VPN). The service is designed for medium to large submitters who do not require the resiliency of the Fixed Extranet Connect service for submitting payments and/or collecting reports, but want to benefit from un-contended 256kbps connectivity into the BACS service with 4-hour fault response and Helpdesk support and progress reporting. DSL Connect uses the latest 'always on' DSL communications technology, which ensures that submitters avoid dial-up line drops and call charges. For more information visit: www.voca.co.uk/connectivity

Fixed Extranet Connect

This connection method provides customers with two fully installed fixed connections (lines and routers) from our closed user group, Virtual Private Network (VPN). The service is designed for people submitting either large item volumes or high item value who require a dedicated, resilient, 'always on', managed connection, with speeds from 256kbps up to 2Mb+. This service extends our network directly to the customer's site(s). This ensures customers benefit from a fully managed service, with delivery and processing guarantees, and 99.99% service availability. For more information visit: www.voca.co.uk/connectivity



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	Internet	Dial-up Extranet	Broadband Direct	DSL Connect	Fixed Extranet Connect
Delivery, security & availability	<ul style="list-style-type: none"> – Processing guarantee once submission is received into Voca – No connectivity, throughput or SLA guarantees – Common BACSTEL-IP secure encrypted session (SSL) used to ensure secure submissions 	<ul style="list-style-type: none"> – Managed private network accessed through PSTN or ISDN '0870' number dial-up – Common BACSTEL-IP secure encrypted session (SSL) used to ensure secure submissions – Delivery & processing guarantee once submission is on the Dial-up Extranet – No connectivity/availability guarantee on customers own PSTN, ISDN or ISDN2 connection 	<ul style="list-style-type: none"> – Contended ADSL access into a managed network – Additional security provided at network & transport levels – Fault response and fix SLA's on ADSL line with premium rate helpdesk support 	<ul style="list-style-type: none"> – 'Always on' un-contended DSL access into a managed VPN (Virtual Private Network) – Additional security provided at network & transport levels – Delivery & processing guarantee once submission is on VPN 	<ul style="list-style-type: none"> – Extension of a network into customer site(s) providing 99.99% delivery and processing guarantees – Additional security provided at Network (VPN) and Transport (SSL) levels – Proactively managed and monitored resilient infrastructure – Delivery & processing guarantee from a managed service to customer site Installation
Installation	<ul style="list-style-type: none"> – Customer uses own existing Internet infrastructure or installs new Internet connection 	<ul style="list-style-type: none"> – Customer uses own PSTN, ISDN or ISDN2 telecoms line and then dial national rate '0870' number 	<ul style="list-style-type: none"> – Provision of ADSL capability over existing customer PSTN line with self install router to enable 'always on' submissions via a managed network 	<ul style="list-style-type: none"> – Full installation of DSL circuit and Cisco 837 router to enable 'always on' submissions via a managed network 	<ul style="list-style-type: none"> – Full installation of twin BT IPClear circuits and Cisco 2691 routers to extend a Virtual Private Network into customer site(s)
Connection types and speeds	<ul style="list-style-type: none"> – Connection speeds into Voca are dependent on the number of other people using Voca's Internet capacity at that time and not on the size of the customers own Internet connection 	<ul style="list-style-type: none"> – V92 modem, upload speeds up to 28.8kbps and download speeds of 56kbps – ISDN, 64k single or 128k dual connection, reaching up to approx. 100kbps – Connection speeds depend on modem quality, and line quality 	<ul style="list-style-type: none"> – ADSL connection into a managed VPN providing 64-256kbps upstream and 256kbps downstream connectivity 	<ul style="list-style-type: none"> – Un-contended DSL connection into a managed VPN providing 256kbps downstream and 256kbps rate adaptive upstream connectivity 	<ul style="list-style-type: none"> – Choice of IPClear connectivity starting at 256kbps – Flexibility to upgrade connectivity speed up to 2Mb and beyond to meet future business needs
Submission volumes	<ul style="list-style-type: none"> – Dependent on current Internet set up 	<ul style="list-style-type: none"> – V92 Modems, 100,000 items per hour – ISDN up to 128k, 200,000 items per hour. 25% higher than ISDN under BACSTEL® 	<ul style="list-style-type: none"> – 256kbps, approximately 400,000+ items per hour 	<ul style="list-style-type: none"> – 256kbps, approximately 400,000+ items per hour 	<ul style="list-style-type: none"> – 256kbps, approximately 400,000+ items per hour – 512kbps, 1Mb and 2Mb Fixed Extranet Connect services available for large volumes
Cost	<ul style="list-style-type: none"> – No additional costs for submitting – Set up and connectivity costs are dependent on customers ISP agreement 	<ul style="list-style-type: none"> – Calls to '0870' number charged at national rate – V92 modem purchase or ISDN setup and annual maintenance costs will need to be obtained from your telecoms supplier 	<ul style="list-style-type: none"> – For more information on Broadband Direct visit: www.voca.co.uk/connectivity 	<ul style="list-style-type: none"> – For more information on costs for DSL Connect visit: www.voca.co.uk/connectivity 	<ul style="list-style-type: none"> – For more information on costs for Fixed Extranet Connect visit: www.voca.co.uk/connectivity

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