

JANET Talk Trial FAQ

1. Who is eligible to participate in the trial?

The aim of the trial is to gain representative feedback from all sectors of the JANET community. To ensure this, we are looking for a range of applications from schools, colleges, universities and any other connected organisations irrespective of size.

2. Does the trial need to be used for JANET wide communication?

Participants are encouraged to use the trial to communicate in the way they envisage to be most useful to their organisation. This may either be across the JANET network, within their own organisation's local area network, or to distributed students/staff connected via separate DSL connections.

3. I only want to use a selection of the features available, is this OK?

It is not a requirement to use all features of the trial. Features can also be enabled or disabled by administrators at each organisation.

4. Can Licenses be dynamically allocated to users?

This operation is not supported. Each user will have a unique address which is linked to an entry in the JANET Talk database.

5. I have a current VoIP telephone system, can JANET Talk be integrated?

JANET Talk is a standalone system and is not designed to integrate with or replace existing telephony equipment.

6. Is any extra hardware required?

All JANET Talk infrastructure equipment is located centrally on the JANET backbone. Appropriate peripheral equipment such as a headset and microphone or a webcam may be required to use all of the features of JANET Talk.

7. How can licenses be distributed?

Each participating organisation will be responsible for distributing their quota of licenses. They may be allocated to anyone the organisation chooses (local or remote), providing the usage conforms to the [JANET Talk Terms and Conditions](#).

8. Can people call in to the JANET Talk client?

Due to Ofcom regulations, PSTN access is provided as "dial out" only for one to one calls. However, when using the conference call mode, both JANET Talk clients and external PSTN lines can dial in to access the conference bridge.

9. How is PSTN access billed?

PSTN access is billed either via a pre-pay or post-pay system. This is managed by an agreement between each connected trial participant (wishing to use the PSTN feature) and Verizon Business Limited. It should be noted that the pre-pay element of JANET Talk will be made available during the trial.

Billing will be managed through a web based interface.

10. In what form will trial feedback be expected?

Feedback will be required twice during the trial period, in May and July. This will be presented as an electronic feedback form. There will also be a JANET Talk workshop in September, giving the opportunity to discuss the trial, and any benefits and issues found by participants. Attendance to this event will be optional.

11. Will there be any cost for participating in the trial?

The JANET Talk Trial is provided on a no cost basis.

12. What are the bandwidth requirements?

The audio for JANET Talk uses the G.711 audio CODEC, requiring approximately 80kbps per stream including IP overheads.

Video is provided using either the H.263 or DivX CODECs. The bandwidth requirements per stream vary depending on the resolution of the video.

For multi endpoint connections (conference calls) DivX is the only video option supported. Conference video settings are based upon the capabilities of the chairperson or person invoking the conference.

The DivX video CODEC data rate, including IP header, is illustrated in the following table:

DivX video CODEC bandwidth requirements				
Client present setting values	Resolution	Frames / second	Quality	Bandwidth
Very Low Bandwidth	160 x 120	2	very low	10 - 20 kbit/s
Low Bandwidth	160 x 120	10	low	60 - 120 kbit/s
Medium Bandwidth	320 x 240	10	medium	150 - 300 kbit/s
High Bandwidth	352 x 288	15	high	400 - 800 kbit/s

The H.263 video CODEC bandwidth requirements are listed here:

Table 38 H.263 video CODEC bandwidth requirements				
Client present setting values	Resolution	Frames / second	Quality	Bandwidth
Very Low Bandwidth	176 x 144	2	very low	10 kbit/s
Low Bandwidth	176 x 144	10	low	64 kbit/s
Medium Bandwidth	352 x 288	10	medium	192 kbit/s
High Bandwidth	352 x 288	15	high	512 kbit/s

Note that these are preferred values that are set with PC Client preferences. Values

in actual use for a call depend jointly on the settings of both clients.

Whiteboard, application and file sharing session bandwidth requirements are usage dependent.

13. What will it look like?

Screenshots of a client in the development stages are available here:

<http://www.ja.net/development/voip/janet-talk-images.html>