

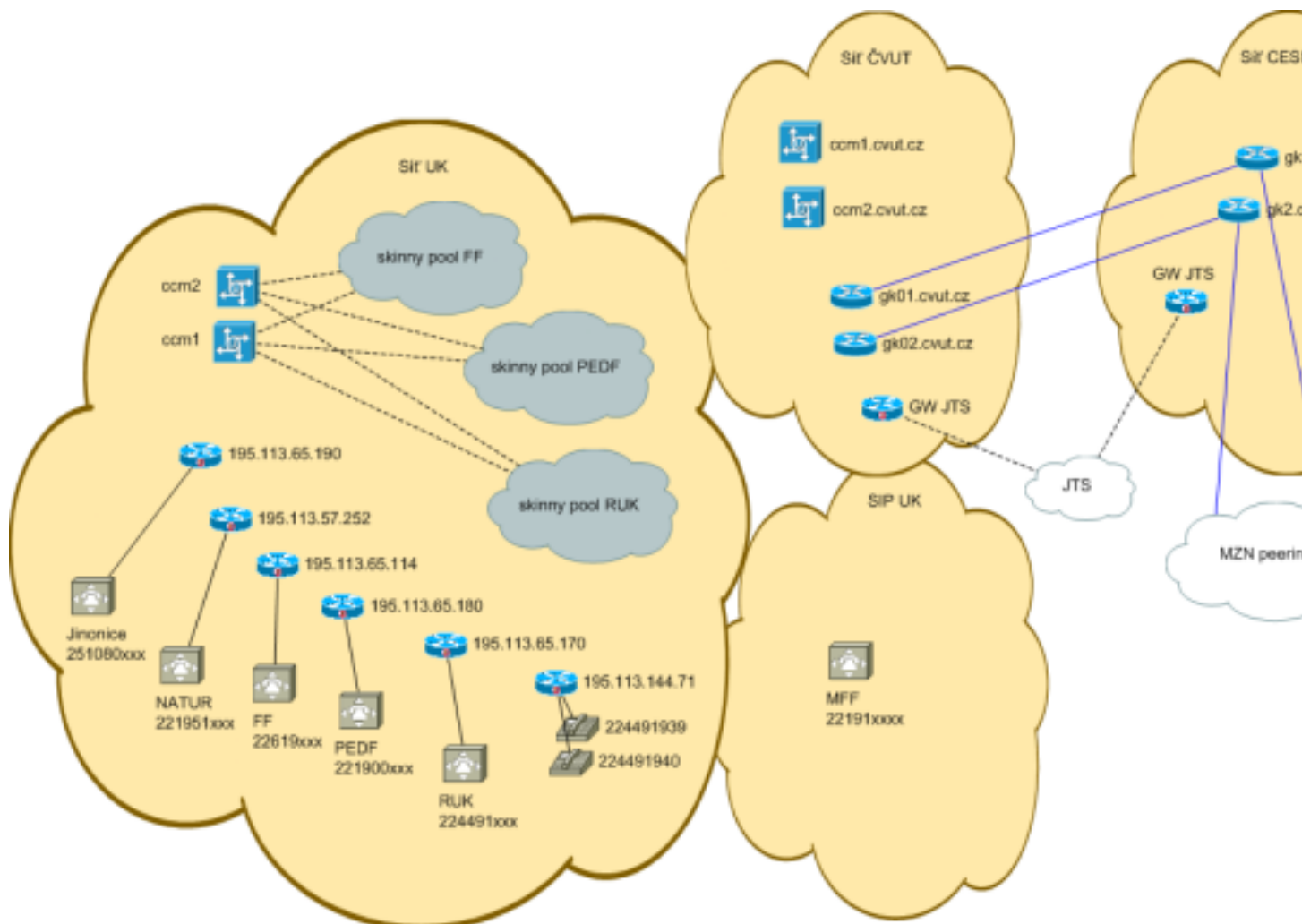
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# VoIP at faculties and parts of the Charles University

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VoIP service within the PBx is be used at the following parts of the Charles University:

In order to operate from PBx, the existing ISDN-PRI card is used, while trunk for transfer to VoIP ends in a gateway. A voice gateway enables a link between a telephone and packet network, meaning it carries out all the requisite physical translation and voice compression thus enabling calls between these two environments. VoIP gateway carries out its function in accordance with recommendations of the ITU-T for multimedia communication H.323v3, version 3. Recommendation H. 323, unlike the first version, enables a definition of instruments of quality of service. Cisco voice gateway provides connection to public telecommunication network. On this gateway, signals from packet network are transformed into signals for a network which operates on the principle of switching circuits. On a signalisation level, signalisation messages are being mutually mapped between the H.323 protocol and other protocols such as DSS1, Q.SIG etc.



**Voice gateways** are usually routers equipped with the relevant interfaces (BRI, PRI) and instruments for digital processing of the signal (so-called DSP). Most frequently used are Integrated Services Routers (ISR) of platforms 26xx, 28xx, 38xx.

**Parts of CHarles University****Telephone  
Number**

Building compound Celetná-Ovocný trh – Rectorate of the Charles University, parts of Faculties of Social Sciences and of Education	224 491 xxx
Faculty of Education	221 900 xxx
Faculty of Philosophy	221 619 xxx
Faculty of Science	221 951 xxx
Jinonice Campus	251 080 xxx
Faculty of Physical Education and Sport	220 17x xxx
Faculty of Pharmacy in Hradec Králové	495 067 xxx
Hydro-biological Station of the Faculty of Science in Velký Pálenec u Blatné	224 491 940