

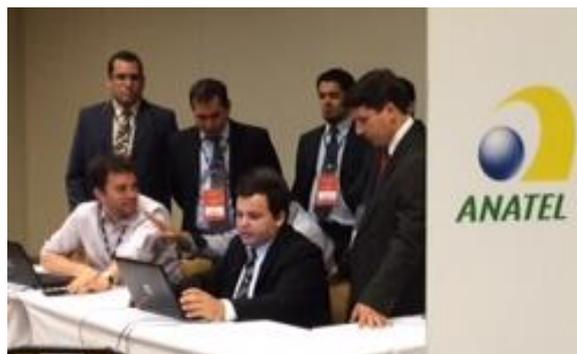
ATDI PRESENTS SPECTRUM MANAGEMENT SYSTEM IN THE BRAZILIAN CONGRESS



McLean, VA – ATDI, Inc. (ATDI) has just completed the 4th phase of the Spectrum Management system for Agência Nacional de Telecomunicações (Anatel). The contract requirements include the implementation of ATDI's web solution for spectrum management, which encompasses the entire licensing workflow for the TV, FM and AM broadcasting system, as well for Spectrum-E©, extensive workflow for the technical analysis for Plano Básico was implemented. Database migration took place in ATDI's platform, which uses a non-relational database, and which holds the Plano Básico and licensed channel information.

The Plano Básico technical analysis customized for Anatel is divided into 2 parts: open channel analysis, and request of Plano Básico modification. When Anatel receives an open channel request, Spectrum-E© employs a function based on ITU 1546, which searches for the next available channel that can be used in Plano Básico. The request of modification analysis uses ITU 1546 according to Anatel resolutions 284, 67 and 116 in order to determine if the modification can take place. Degout-Assis was also implemented in the Anatel technical analysis workflow as part of the Plano Básico point-to-point analysis.

As part of the Mercosur coordination procedure within the neighboring country of Brazil, the Mercosur agreement has also implemented the running of interference analysis between Brazilian and neighboring channels. Analysis is used to check the need of channel coordination and/or the procedure of coordinating a channel with a Mercosur member. The Spectrum-E© Management system was customized so that Anatel can grant and license TV, FM and AM broadcasting channels in Brazilian territory. As part of the contract requirement, ATDI's customized system allows external users to place requests for channel granting and licensing.



ATDI has been invited to The Brazilian Broadcasting Congress where the ATDI Spectrum-E© Management system has been presented and introduced to the Brazilian broadcasting industry held on October 7th 2015.

About Agência Nacional de Telecomunicações - ANATEL is the Brazilian national spectrum regulatory agency whose establishment helped to promote the development of the telecommunications system within the country. With over 10 years of experience, ANATEL continues to provide a modern and efficient telecommunications infrastructure, including the capability to provide adequate services to society throughout their national territory. Currently, ANATEL is preparing a new generation of spectrum management solutions to support the increased demand for spectrum as Brazil hosts the upcoming Olympic Games. To obtain more information about ANATEL, please call 55-61-2312-1817 or visit, www.anatel.gov.br

About ATDI, Inc. – ATDI is a world leader in the implementation of automated spectrum management systems. ATDI has over 22 years of experience in the areas of software development of RF network planning and spectrum management systems. In the past few years, ATDI has begun migrating its software product to an open web architecture. ATDI's web solution for spectrum management has garnered significant interest in the telecommunications market. Today, ATDI has over 500 customers around the world, including more than 90 national spectrum authorities. ATDI's software platforms and tools such as [Spectrum-E©](#), [ICS Telecom](#), [HTZ Warfare](#), and [ICS Map Server](#) are world renowned for their ease of use and accuracy. To obtain more information about ATDI, please call +1-703-848-4750 or visit <http://www.atdi.us.com/>