Setting the Standard

SRP2000 Second Generation Portable

The SRP2000 is the smallest and lightest rugged second generation TETRA Portable available.

Weighing less than 200grms the SRP2000 is light enough to be lapel worn but being designed to IP54 is rugged enough to survive the tough environments experienced by public safety users.

It has an extensive range of public safety user accessories, including quick release stud mounting, comprehensive carkit and Remote Speaker Microphone. For the general business PMR user, the SRP2000 is compatible with a full range of GSM style accessories.

Designed to give users maximum flexibility the SRP2000 has configurable soft keys, multi group and group configurations, and battery options to accommodate different working patterns.

Amongst the many features supported, the SRP2000 can accommodate 800 TMO/DMO talkgroups, dynamic group number assignment, Tx inhibit and DMO Gateway Interoperability.

Naturally the SRP2000 supports both TETRA Authentication and Air Interface Encryption but in addition has been designed to accept End to End Enhanced Grade Encryption via appliqué solutions.

Whilst heavily influenced by public safety users, the SRP2000 is light, soft styled and compatible with GSM style accessories making it a very cost effective radio, phone and data terminal to own and operate for any PMR user.

Today, you can see the SRP2000 for the first time in public on the Simoco Digital Systems stand.

www.simocodigital.com

SIMOCO
DIGITAL SYSTEMS

Secure future for PAMR

There is a significant European PAMR market to be addressed, despite the financing difficulties experienced by the Dolphin companies.

Even though Dolphin, the European PAMR (public access mobile radio) network operator, due to financial difficulties, has been forced to call in Administrators in July 2001 and put its European businesses up for sale, there is still a significant PAMR market to be addressed, and a strong commitment by the TETRA industry to deliver products and solutions.

Dolphin started by purchasing national analogue radio networks across Europe and acquiring licences for digital trunked networks based on the open TETRA (Terrestrial Trunked Radio) standard. It controls licences throughout Europe (UK, Germany, France, Spain, Portugal and Belgium) , which cover approximately 250 million people. Dolphin had a lucrative footprint in Europe being the largest provider of analogue mobile radio services to the mobile workforce in Europe with approximately 273,500 subscribers.

Dolphin launched commercial TETRA services in the United Kingdom in August 1999 with coverage of 87% of the population. In addition to the UK, Dolphin started to implement TETRA networks in France, Belgium, Germany, Spain and Portugal.

Despite the uncertain situation brought about by the administration process, the Dolphin TETRA networks continue to be operational in the UK and in France. The customer base comprises mobile workforce users such as transport and delivery fleets, utility service teams, hauliers, property companies, and large multi-national construction companies. The customers in these countries are proving to be highly loyal and staying with the TETRA networks, which demonstrates the case for the market for such a service.

The PAMR market is relatively small compared to the market size of mass market technologies such as GSM and 3G, however it is an attractive market and is characterized by much higher average revenue per users (ARPUs) and subsequently lower 'churn'.

Nokia and Motorola jointly believe that PAMR represents a sound opportunity within the wider mobile business sector in Europe.

The two companies, being the main drivers of the TETRA standard and TETRA interoperability issues, emphasize that an ideal solution for professionals needing mobile radio services is a shared network based on TETRA technology.

Whilst TETRA was originally envisaged as a ETSI standard for public safety and utilities operating private networks, TETRA has become a very exciting standard for PAMR operators because TETRA brings a unique capability for them to differentiate their service in comparison to mass-market cellular. TETRA is a feature-rich, strong European standard that has the advantage from a customer perspective of combining and enhancing the benefits of messaging, packet data, mobile radio and cellular mobile.

Welcome to Nice

Dear Delegate...
First of all may I welcome you to the 4th TETRA World Congress here in Nice.

This event is being held at a time when the world is facing many serious issues, particularly for those involved in providing communications for our colleagues in public safety. This subject is very much in my mind as I reach the conclusion of my term of office as Chairman of the TETRA MoU, and it is perhaps appropriate to look back at the progress of TETRA and our Association over the last three years.

In that time, TETRA has undoubtedly reached maturity, with many trial systems being turned into genuine operational networks. The initial functionality has grown to include many features that users of mobile communications have not previously enjoyed. ETSI and the MoU have gone one step further and ensured the long term future for TETRA by establishing a new project to create TETRA Release 2. There can be no doubt that TETRA is now a proven technology that is ideally suited to mission critical communications.

The MoU too has undergone considerable change with a substantial growth in members and the addition of the regional forums in France, North America, Southern Africa, Russia and very recently in China. We now have an excellent secretary and have made the transition to a Limited Company. The MoU Board is

Phil Godfrey has been TETRA MoU Chairman from 1999-2001

developing ideas to take on additional resource to provide a more professional service and improve the information that is available to members.

It has been a tremendous privilege to represent the membership of the TETRA MoU over the last three years and I hope that I have carried the TETRA message in the manner that it deserves. Whilst there remains much work to do, it is gratifying to see the promises of our engineers being turned into reality. I look forward to watching TETRA become an even greater success over the next three years.

May I wish you all a productive and informative conference as well as an enjoyable stay here in Nice.

Phil Godfrey

Communications key in disasters

Colonel Bob Stewart, former UN Commander of British forces in Bosnia

Whilst on holiday, Colonel Bob Stewart received a telephone call in August 1992 that informed him in four hours time the British Prime Minister would appoint him, British United Nations Commander in Bosnia. Quite a start to anyone's day! Colonel Stewart realised that communications, in every sense, would be one of the most important keys to success. He summed his mission up very simply – "To save lives!"

His fascinating presentation launched the World Congress in exciting style - giving everyone a superb insight into the strategic preparation and analysis needed for success and the how they were put into practice managing one of the most significant human disaster events of the 90's. We heard, with graphic examples, his opinions of the factors crucial to communications success in disaster situations – good intelligence, balance between initiative and following the rules, fast decision-making, good administration and perhaps most significant of all, leadership. There were many parallels for us all to appreciate in the business world – where instead of the enemy we have the competition! A powerful video helped everyone understand the reality of it all.

Acknowledging the vital role of radio communications in the mission, Colonel Stewart said "My only link to many units under my command was by radio. Radio is for tactical control. But, explaining first of all what must be done needed personal contact, and I made sure I visited the units to do just that".

Bienvenu à Nice!!

Andrew Thake, IIR

Although the last year has been a tough one for the telecoms industry, TETRA still remains a booming technology. Look around you and you'll see that this year's exhibition is bigger and better then ever and our conference has expanded so much that we've had to introduce 4 extra streams and 4 extra workshops just to keep you all up to date with the latest developments!

The theme for this year's conference is 'Where is this solution taking us?' When I organised the first TETRA World Congress back in Berlin, in 1998, the main question people were asking was 'Will TETRA happen?' It clearly has, which is why this World Congress is focussing on where TETRA is taking us now.

Over the next few days we'll be able to answer that central question. Interoperability, applications, new markets, network planning and health and safety issues form the heart of today's discussions. Users experiences, government and public safety initiatives, operators' learning experiences and competitive positioning form the spine of tomorrow's agenda. And to round off the congress, on Thursday we'll examine Release 2.0, spectrum allocation and security issues.

Have a great show!

Champagne crossword

Try this crossword and you could win a bottle of champagne.
The crossword is just for fun. But if you think you have got all the answers correct, why not enter into the prize draw? You could win a bottle of champagne if yours is the first correct solution to be picked 'out of the hat' on Wednesday night at the Gala Dinner.
Make sure you have put clearly written your name on the completed solution and hand it in to the IIR Conference desk before 12:00 tomorrow (Wednesday). If your name is the first to be drawn at the Gala Dinner, you'll win the prize.
Here's a clue…. hope you are good at acronyms!! Best of luck.

Your name...

1		2		3	■		4	5	
	■		■	6		■			■
7			8	■	9	10			11
	■	12		13		■		■	
	■	■	■	14					
15		16		17		■			
	■			18		19	20	■	
21	22			■	23				
■		■	24	25		■			
26		■		27					

Vote, vote, vote...
...for the TETRA Awards 2001

Each year, the very best of TETRA is publicly honoured with the World Congress TETRA Awards. The award categories are:
● Most Innovative TETRA Service
● Best New TETRA Product
● Most Innovative Applications development
As always, your vote counts, so make sure you use it. If you haven't already received a ballot paper, ask any of the IIR Conference representatives who will be happy to provide you with one. Collection boxes for ballot papers will be found all around the Conference areas. You must cast your vote by the end of the afternoon break, tomorrow (16:15, Wednesday 12th). This year, we have introduced a distinguished panel of experts who will contribute their opinions to yours in order to reach the final decision. The awards will be made at the Gala Dinner on Wednesday night.

In addition to the three 'Best of TETRA' categories for public voting, the TETRA MoU Association Board nominates a particular individual each year to receive the prestigious 'Outstanding Contribution to TETRA' award. The judging panel will also be awarding a prize to the exhibitor who, in their opinion, has the best exhibition stand this year. Both of these awards will also be made at the Gala Dinner.
Remember – your vote counts. Make sure you use it!

Come to the Gala Dinner
Wednesday 12th December

Don't miss the TETRA social event of the year – the Gala Dinner at 'La Siesta'. Make sure you have your ticket and reservation by checking with the IIR Gala Ticket desk today. The Gala Dinner will be held in the beautiful town of Antibes – a short coach journey along the Côte d'Azur.

Coaches leave the Acropolis at 19:15 to take you to the exquisite 'La Siesta' restaurant overlooking the shores of the Mediterranean. After a fabulous dinner, you will hear from Sir Ranulph Fiennes – 'the World's Greatest Living Explorer', and then will see the TETRA Awards for 2001 presented to their worthy winners.

Coaches return to Nice at 11:15 calling at the Meridien Hotel and then the Acropolis.

Clues Across
1) Terrestrial Trunked Radio, of course.
4) Making sure they work together.
6) The sound a Greek cat might make?
7) Play around with site to find a regulator near here.
9) They discuss golbal communications with frequency.
12) Second split in four letters.
14) Italian city shrouded in mystery.
15) Goes well with both 2-way and trunked.
18) There is more than one harboured here.
21) Not just voice.
23) This place sounds enjoyable.
24) Are you, a text message.
26) TETRA by association.

27) sounds like it belongs to Father Christmas.
Clues Down
1& 11) You are here (3. 5. 8)
2) Try a radio.
3) Letters to show it's not Frequency Modulation.
5) This company organises the conerence.
8) You may need this to get in.
10) The medium for transmission.
13) Asynchronous Transmission in short.
16) Half of Morse in code.
17) An Outside Broadcast is refered to like this.
19) Two letter start antenna.
20) TETRA divides this into four.
22) It often comes after a long time to start a fairy tale!
25) Initially, Bob's old employer in Bosnia.

RULES:
i) Completed crossword solutions must be handed in by 12:00 Wednesday 12th to the IIR Conference Desk Prize Crossword collection box.
ii) First correct solution drawn on Wednesday night at the Gala Dinner will win.
iii) Your name must be clearly written – if the name is not legible, we will draw again.
iv) IIR employees or World Congress News editorial staff are not allowed to enter the competition.
v) The prizewinner's name will be announced during the conference proceedings on Thursday if they are not at the Gala Dinner.
vi) The prize must be claimed before the end of the Conference.

Complete TETRA Solutions for Mission-Critical and Communication-Vital Environments

Come and visit the Motorola stand for a preview of our unique portfolio of TETRA compliant digital products and solutions.

- Second generation portable and mobile radios, the MTP700 and MTM700 – the result of our extensive global research with users on the front line of operations.
- Dimetra IP - New IP based TETRA infrastructure optimised for mission-critical operations such as Police, Fire and Rescue services.
- New Compact TETRA solution developed for users requiring a unique, small scale, digital solution with packet data capabilities.
- Impressive range of innovative data applications.

For the opportunity to see a hands-on demonstration of a selection of data applications, attend the live showcase of our Accredited Application Partner solutions taking place in the Congress Applications Village demonstrated over the Motorola Dimetra Infrastructure.

We look forward to seeing you on the Motorola stand!

www.motorola.com/tetra