

88 年度下半年暨 89 年度國家標準實驗室計畫執行成果摘要表 論文

計畫名稱	中文	建立及維持我國時間與頻率國家標準		
計畫編號	英文	The Maintenance and New Technology Establishment of National Standard for Time and Frequency		
計畫編號	TL-001-P301(89)			
執行單位	中華電信研究所		執行期間	88 年 7 月至 89 年 12 月
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成果名稱	中文			
	英文	THE DEVELOPMENT OF A TIME SYNCHRONIZED SPEAKING CLOCK		
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解密期限	中華民國 年 月底解密		機密級	
關鍵詞	TSSC : Time Synchronized Speaking Clock			
	IRIG-B : Inter-Range Instrumentation Group, B code			
<p>The time signal accuracy of the conventional speaking clock in Taiwan was insufficient due to indirectly and manually traced to our national standard time. An industrial computer based time synchronized speaking clock (TSSC) was developed by Telecommunication Laboratories (TL) in Taiwan for which used 117 public voice time service station that could provide voice signal of accurate time to generic users. The TSSC traced to the national time standard UTC (TL) by using the IRIG-B code (Inter-Range Instrumentation Group, B code) via a dedicate line. The TSSC could provide a substitute source of time and overcome the limitations of high frequency (HF) radio receiver. The TSSC software design, screen display and hardware configuration including time code synchronized generator unit, voices data library unit and voices generate unit were discussed.</p>				