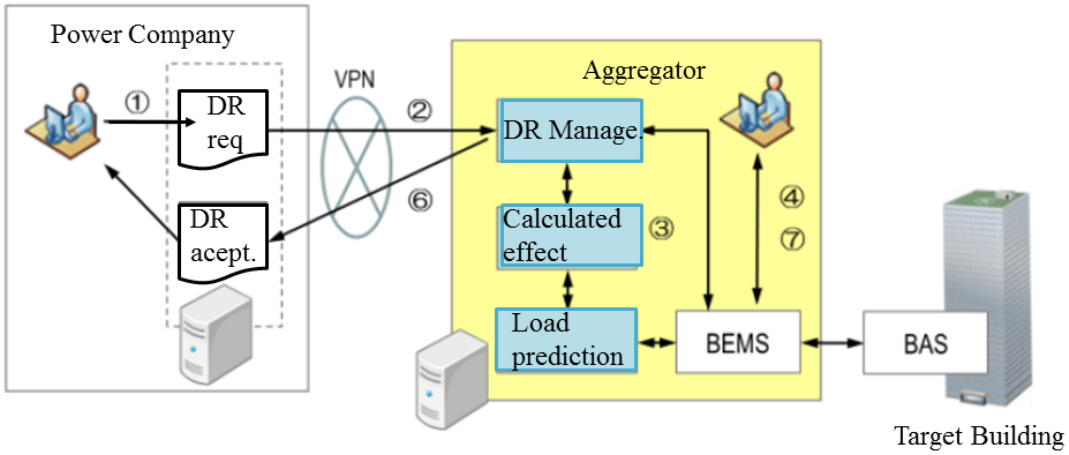


Number	Phase	Contents
①	The day before the execution date ~ 2 hours ago	DR request
②		Reading DR request (periodical collection)
③		verifying
④		decision
⑤		notice
⑥	Within 30 minutes from ①	acceptance
⑦		action

Figure 2. *Ratio of Power of the perimeter air conditioners system and cold amount*

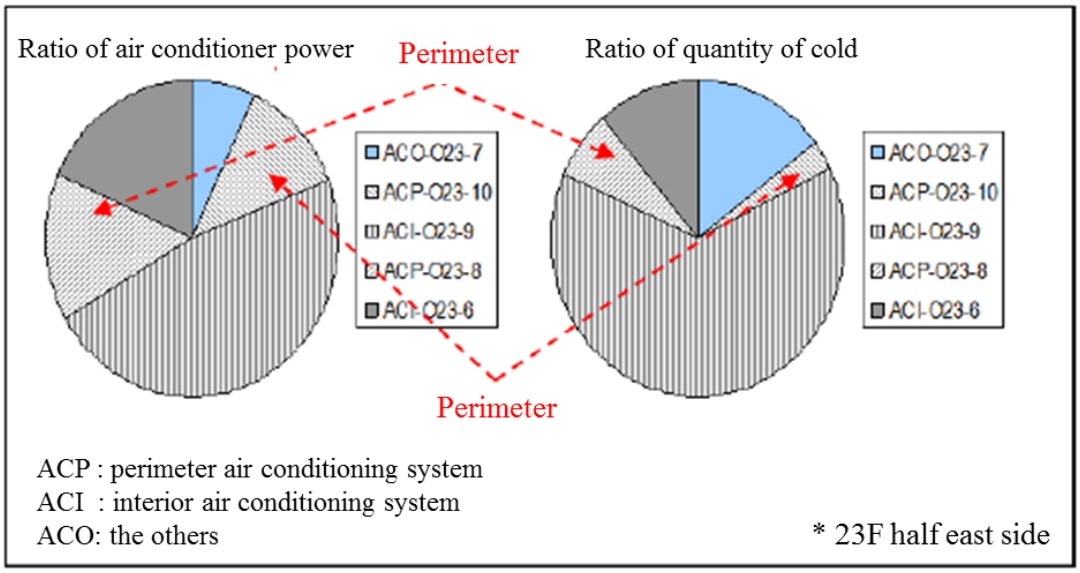


Figure 3. *Experimental schedule*

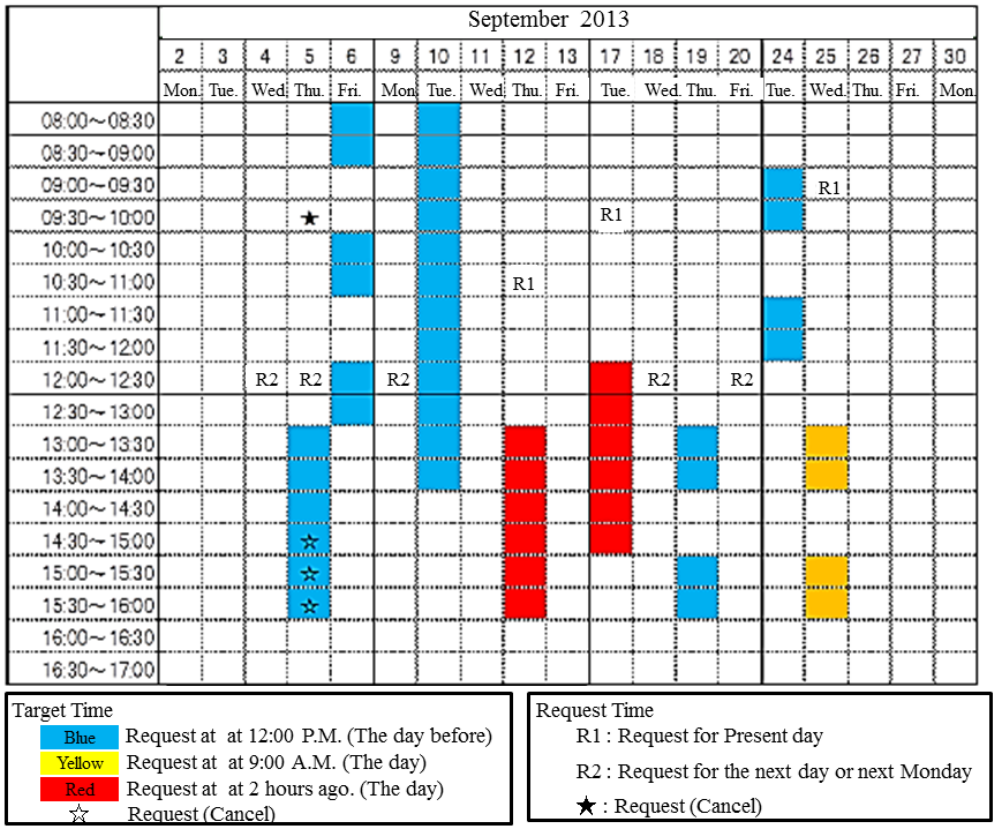


Figure 4. *Actual value and the effect size of DR*

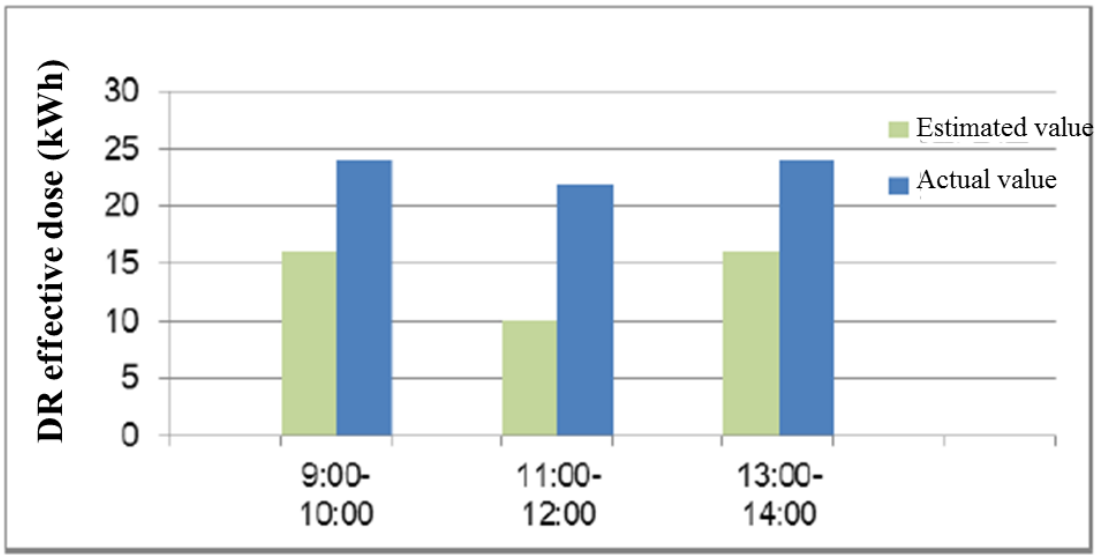
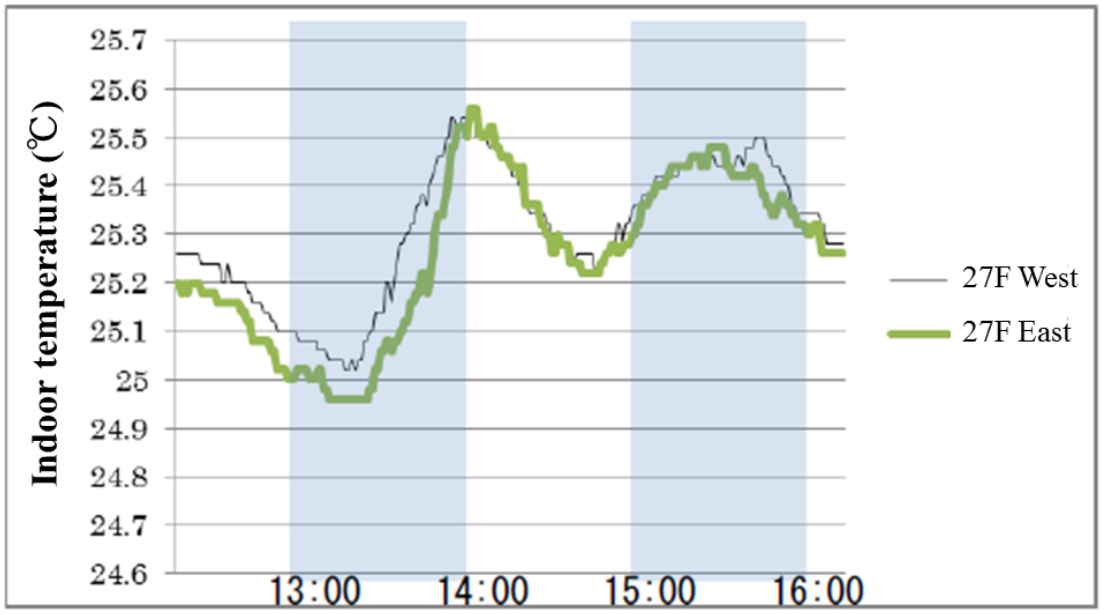


Figure 5. *Indoor temperature changes in the during DR time (west and east side of*

27th floor)



CONCLUSION AND IMPLICATIONS

By performing of the DR by using the present system, we could be completed within a predetermined time from consideration to the setting of control content and response to the power company is possible, and eliminates clutter.

It was confirmed similarity of trends in actual value and the estimated value, but there is still room for improvement for load prediction.

It is estimated from the fact that subsided the temperature rise of about 0.5 degrees; influence on office productivity is low.

In this study, it was confirmed and future issues effectiveness of the system that has been developed. We aim to establish operational and how to improve the system.

REFERENCES

FERC; Assessment of Demand Response & Advanced Metering Staff Report, (2008), 21-50 .

Ryutaro Touji; Standardization Activities of OpenADR, NTT GIJUTU Journal (10, 2013)