

Ölçeğin Adı

## Safety Management System Evaluation Scale

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### ÖLÇEK HAKKINDA

Ölçek Türü : Geliştirme  
Tarihi. : 2012  
Kaynak Türü : Makale

*Anahtar Kelimeler:*  
Safety management system  
Scale development  
Airline industry

### ÖZET

The airline industry relies on the implementation of Safety Management System (SMS) to integrate Safety policies and augment safety performance at both organizational and individual levels. Although there are various degrees of SMS implementation in practice, a comprehensive scale measuring the essential dimensions of SMS is still lacking. This paper thus aims to develop an SMS measurement scale from the perspective of aviation experts and airline managers to evaluate the performance of company's Safety management system, by adopting Schwab's (1980) three-stage scale development procedure. The results reveal a five-factor structure consisting of 23 items. The five factors include documentation and commands, safety promotion and training, executive management commitment, emergency preparedness and response plan and safety management policy. The implications of this SMS evaluation scale for practitioners and future research are discussed.

### Ölçek Maddeleri

Önermeler	Faktör Yükleri				
	DC	PT	EMC	EP	MP
DC1: Managers order clear commands for SMS operation.	0,69				
DC2: The contents of SMS manual are readily understood.	0,62				
DC3: System can precisely save, secure, and trace the information.	0,61				
DC4: Establish an incentive system to reward the good SMS performance.	0,59				
DC5: There is an intranet system to share the SMS related information.	0,58				
DC6: Simple and unified standard for safety behaviour.	0,57				
DC7: Documents are reserved and updated in a standardized format.	0,55				
PT1: Employees learn the concepts through training.	0,79				
PT2: Employees know how to execute SMS through training.	0,76				
PT3: Employees upgrade the self-managed ability through training.	0,73				
PT4: Company provides training continuously.	0,58				
PT5: Employees construct the correct safety attitude through training.	0,56				
PT6: Company holds SMS promotion activities regularly.	0,54				
PT7: Company provides diverse training programs.	0,53				
EMC1: Top management participates in the SMS related activities.	0,76				
EMC2: Management handles safety issues following just culture.	0,72				
EMC3: Top management declares the determination to execute SMS, even when the company finance is in the down cycle.	0,70				
EMC4: Top management declares commitment in formal documents.	0,59				
EP1: Employees acquainted with the plan.	0,84				
EP2: Employees are trained to execute the plan periodically.	0,74				
EP3: Company simulates the plan periodically.	0,64				
EP4: Company establishes the plan with clear procedures and individual responsibility.	0,54				
MP1: Company develops the precise standard to monitor and evaluate the SMS performance.	0,70				
MP2: Company continuously improves the SMS performance.	0,69				
MP3: Company's internal reporting channel is highly accessible.	0,51				

**Not 1:** Ölçekte ters çevrilecek madde ile ilgili bilgi verilmemiştir.

**Not 2:** Ölçeğin 5 faktörlü yapısı toplam varyansın %68,15'ini açıklamaktadır.

**Not 3:** Ölçeğin hesaplaması toplam puan üzerindendir.

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**Madde Puanlaması:** (1) very unimportant (2) unimportant (3) slightly unimportant (4) neutral (5) slightly important (6) important (7) very important şeklinde 7'li Likert kullanılmıştır.

**Kısaltmalar ile ilgili açıklamalar:**

DC : Documentation and commands  
PT : Safety promotion and training  
EMC : Executive management commitment  
EP : Emergency preparedness and response plan  
MP : Safety management policy