

# Evolution of Post in region of Žilina

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**Abstract:** Paper deals with local problem of post deployment in region of Žilina. It compares numbers of delivery zones, posts, mailboxes and post compartment. We used several ratios about comparison of selected indicators. In the end we describe our opinion on situation of post evolution in region of Žilina.

**Keywords:** Post, postal indicators, postal ratios, post usability coefficient, delivery zone coefficient, mailboxes coefficient, post compartment coefficient (Minimum 5 to 8 key words)

## 1. INTRODUCTION

We have selected 4 indicators that we use for several ratios to consider evolution of post in region of Žilina

**Table 1. Selected indicators for post by regions, type of indicator and year**

Selected indicators for post by regions, type of indicator and year								
	Delivery zones				Posts			
	2008	2009	2010	2011	2008	2009	2010	2011
Region of Žilina	646	640	634	631	183	183	184	182
	Mailboxes				Post compartment			
	2008	2009	2010	2011	2008	2009	2010	2011
Region of Žilina	807	783	774	684	413	398	395	391

### 1.1 Delivery zones

Delivery zones in Slovak republic are selected by geographical plan of Slovak national postal operator. Evolution of delivery zones in region Žilina by numbers is illustrated in left-upper corner of table 1.

### 1.2 Posts

Posts indicator means point of possibility to make submission and delivery of mails. It is presented mostly by building owned by Slovak national post operator. Evolution of posts in region Žilina by numbers is illustrated in right-upper corner of table 1.

### 1.3 Mailboxes

People often made a mistake when thinks mailboxes are boxes they have at home, that are homeboxes. Mailboxes are place, where a postman collects mail. Evolution of mailboxes in region of Žilina by numbers is illustrated in left-bottom corner of table 1.

### 1.4 Post compartment

It is a place where customers came to submit their mail. They are directly placed in Posts. Evolution of post compartments in Žilina by numbers is illustrated on right-bottom corner of table 1.

## 2. Ratios

In this section of paper we deal with 3 basic coefficients and one complex coefficient of post usability.

### 2.1 Delivery zone coefficient

(1) compares number of posts with number of delivery zones. In this way we get ratio of current status of post usability by delivery zone.

$$DZC = \frac{P}{DZ} * 100 \quad (1)$$

Evolution of ratio (1) is illustrated on figure 1.

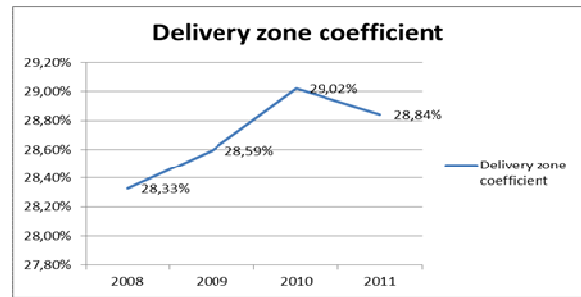


Figure 1. Delivery zone coefficient.

### 2.2 Mailboxes coefficient

(2) compares number of posts with number of mailboxes. In this way we get ratio of current status of post usability by mailbox.

$$MBC = \frac{P}{MB} * 100 \quad (2)$$

Evolution of ratio (2) is illustrated on figure 2.

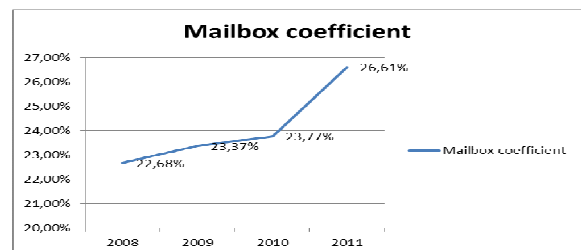


Figure 2. Mailbox coefficient.

### 2.3 Post compartment coefficient

(3) compares number of posts with number of delivery zones. In this way we get ratio of current status of post usability by post compartment.

$$PCC = \frac{P}{PC} * 100 \quad (3)$$

Evolution of ratio (3) is illustrated on figure 3.

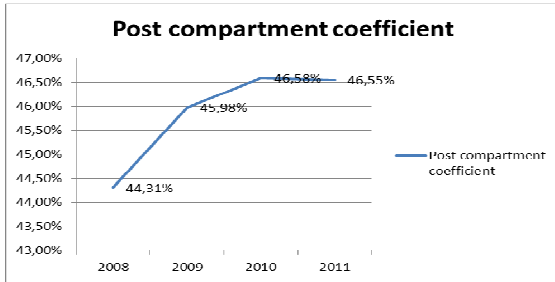


Figure 3. Post compartment coefficient.

### 2.4 Post usability coefficient

(4) is applied to create an overall image of post usability in selected region/sector. The values for quantification of selected indicators were determinate on individual experiences and needs.

$$PUC = \frac{(PC + DZ / 2 + MB / 3)}{6P} * 100 \quad (4)$$

Ideal value is PUC=100%. Possibilities to reach a 100% value are only theoretical. Acceptable values are from 90% above. Values in region of Žilina are illustrated on figure 4. Post usability coefficient in region of Žilina is decreasing; our reaction is situated in Conclusion.

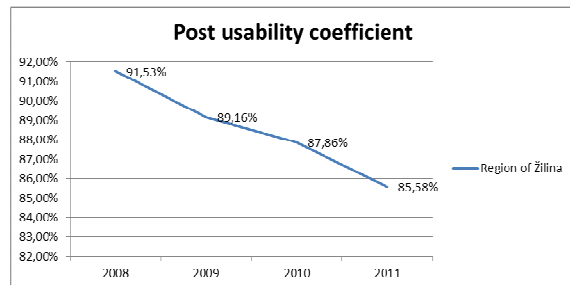


Figure 4. Post usability coefficient.

### 3. Conclusion

From figures 1-3 we can infer conclusion that post sector in Žilina is evolving in good way, because this generation of customers are not satisfied with direct contact. They rather do everything contactless and when we compare figure 2. and figure 3., we deduce that evolution is aimed at reducing direct contact of customers with postal operator. The problem we discover is that Slovak national post operator in region of Žilina is decreasing numbers of mailboxes, delivery zones and post compartments, but numbers of posts remain the same.

We have reached an opinion that Slovak national post operator should decrease number of posts in region of Žilina. Slovak national post operator can gain a profit from rental useless buildings.

### 4. ACKNOWLEDGMENTS

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