

# Detecting FRAUD through DATA analysis

*Payroll fraud takes 36 months before being noticed,  
Median duration for cash transaction fraud cases is 18 month*

*(Assoc. Of Certified Fraud Examiners - 2012 Global Survey)*

**Have you checked in your organization?**

## **KEY OBJECTIVES**

- ▲ To identify possible fraud occurrences and 'on the edge' behavior  
To produce recurrent analysis  
To report on evolution
- ▲ To support your current audit engagement  
To support the controlling functions of your organization

## **METHOD**

Joining strengths in order to deliver !

### **YOUR input:**

Your knowledge of your specific fraud risks

### **OUR input:**

Our expertise in CAATs (data auditing)

Our expertise in fraud detection

Our experience of key fraud tests

### **Example of Fraud Tests:**

- ▲ Sequence analysis: gap and duplicate keys
- ▲ Standardization of character chain e.g..  
reversal cancellation
- ▲ Ghost employees / employees as supplier
- ▲ Operations around closure date
- ▲ Multi table approach: join, append,  
compare

## **LOGISTICS and DURATION**

Availability of a CAATTs tool (can be provided)  
Duration based on scope

## **KEY STEPS**

- ▲ **Definition** of tests
- ▲ **Preparation:** Identification of data needed (fields and filters), data request importation in data analysis tool
- ▲ **Development and execution** of tests
- ▲ **Treatment of results:** analysis, handling of special cases and reporting
- ▲ **Documentation** and scripting

## **OUTPUT**

Tests results are recorded in work program:

- ▲ List of exceptions and odd cases
  - ▲ Overview tables (aged balance, stratification, summary, etc.)
- Test documentation: code (VBA,Script)

## **TARGET AUDIENCE**

Any team or unit involved in the following areas:

- ▲ Auditing (external or internal),
- ▲ Controlling,
- ▲ Fraud Detection and Prevention,
- ▲ Quality Assurance